

भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 13] नई दिल्ली, शनिवार, मार्च 31, 1990, (चैत्र 10, 1912)
No. 13] NEW DELHI, SATURDAY, MARCH 31, 1990 (CHAITRA 10, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 31st March 1990

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The States of Gujarat, Maharashtra, and Madhya Pradesh,
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1—527 GI/89

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61, Wallajah Road,
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The States of Andhra Pradesh, Karnataka, Kerala, Tamil-
nadu, and the Union Territories of Pondicherry, Laccadive,
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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents
or any fees required by the Patents Act, 1970 or the
Patents Rules, 1972 will be received only at the appropriate
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Fees :—The fees may either be paid in cash or may
be sent by Money Order or Postal Order, payable to the
Controller at the appropriate Offices or by bank draft or
cheque, payable to the Controller drawn on a scheduled
bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 31 मार्च 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,
टोडी इस्टेट,
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोआ, वमन तथा दिव एवं
वावरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
61, बालाजिह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी,
लक्षद्वीप, मिनीकाय तथा
एमिनिवि वि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Section 2, dated the
6th January, 1990 regarding Patent Appln. No. 165744
read 'Complete Specification left on 18th March, 1987'
instead of Complete Specification left on 18th March, 1989.

Calcutta, the 31st March 1990

APPLICATION FOR PATENTS FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 16th February, 1990

145/Cal/90. Wisconsin Alumni Research Foundation.
Method of preventing Oxidation, quenching
singlet oxygen and inhibiting mold growth and
novel compositions thereof.

146/Cal/90. (1) Burn Standard Co. Ltd., (2) Bose Insti-
tute. Method and installation for removing
silica from ores containing silica as impurity.

147/Cal/90. Opti Patent-Forschungs-Und Fabrikations-AG.
A slide fastener having two helical rows of
coupling members made of plastics monofilament.

148/Cal/90. Institut Problem Modelirovaniya V Energetike
Akademii Nauk Ukrainskoi Ssr. An optical
information storage device.

[Divisional dated 6th May, 1987]

149/Cal/90. Elmwood Packaging Machinery Limited. Pack-
aging method and apparatus.

(Convention dated 18th February, 1989 and
2nd August, 1989; Nos. 8903753.5 & 8917667.1;
Both are U.K.).

150/Cal/90. Limitorque Corporation. Valve actuator two
rotor three position indicator.

151/Cal/90. Logziel Brothers Ltd. Diamond bruting system.

The 19th February, 1990

152/Cal/90. E.I. Du Pont De Nemours and Company. Aramid yarn process.

153/Cal/90. Westinghouse Electric Corporation. Improvements in or relating to circuit breaker with individual gap adjustment at high and low settings of magnetic trip.

154/Cal/90. Plant Genetics, Inc. Process for the production of an analog to a natural botanic seed. [Divisional dated 6th January, 1987].

155/Cal/90. BMT Cortec Limited. Device and method for reducing fouling of underwater features of ships.

(Convention dated 21st February, 1989; No. 8903928.3; United Kingdom).

The 20th February 1990

156/Cal/90. Hoechst Aktiengesellschaft. Water-soluble fibre-reactive dyes and preparation and use thereof

157/Cal/90. Lab S.A. Process for purifying by the wet method fumes containing nitrogen oxides.

158/Cal/90. Tetrafluor, Inc. Hydraulic seal assembly.

159/Cal/90. Kerr-McGee Chemical Corporation. Process for preparing high solid slurries.

The 21st February, 1990

160/Cal/90. Inzhenerny Tsentr Vsesojunogo Nauchno-Issledovatel'skogo Instituta Po Stroitelstvu Magistralnykh Truboprovodov Ussr. Metalliferous objects detector.

161/Cal/90. Inzhenerny Tsentr Vsesojuznogo Nauchno-Issledovatel'skogo Instituta Po Stroitelstvu Magistralnykh Truboprovodov Ussr. Detector of metalliferous objects.

The 22nd February, 1990

162/Cal/90. General Electric Company. Electromagnetic and thermal shield for electronic energy meter.

163/Cal/90. General Electric Company. Modular construction for electronic energy meter.

164/Cal/90. General Electric Company. Restrictor for multiple switch external control actuator for electronic energy meter.

165/Cal/90. General Electric Company. Register circuit board for electronic energy meter.

166/Cal/90. General Electric Company. Power supply and monitor for controlling an electrical load following a power outage.

167/Cal/90. General Electric Company. Electronic watt-hour meter.

168/Cal/90. General Electric Company. Test mode actuator and indicator for electronic energy meter.

OPPOSITION PROCEEDINGS

The opposition entered by Council of Scientific & Industrial Research to the grant of a Patent on application No. 158023 made by Rheinisch Westfälisches Elektrizitätswerk AG as notified in the Gazette of India, Part III, Section 2 dated 28th February, 1987 has been allowed and the application for Patent has been refused.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. PATENTS SEALED

165028	165029	165030	165040	165042	165047	165048
165049	165055	165066	165068	165074	165075	165077
165079	165080	165082	165086	165087	165110	165117
165129	165144	165153	165154	165162	165164	165165
165166	165167	165168	165169	165170	165171	165181
165208	165214.					
CAL - 13						
DEL - 14						
MAS - 8						
BOM - 2						

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (DESIGN)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following case. The number is followed by the name of the applicants for registration :

No. 155482 — NISSAN MARKETING AND SERVICES PRIVATE LIMITED.

MECHANICAL & GENERAL LIST NO. II

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by patentees in the statements filed by them under section 146(2) of the Patents Act, 1970 in respect of calendar year 1988 generally on account of want of request for licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose

Patent No.	Date of Patent	Name & Address of the Patentee	Title of the Invention
1.	2	3	4
154287	13-5-1980	Alsthom Atlantique, 38 Avenue Kleber, 75784 Paris, Cedex 16, France	A sludge decounter and thickner.
157504	23-12-1981	Alsthom Atlantique, 38 Avenue Kleber, 75784 Paris Cedex 26, France	A diffuser adapted to bleed through the wal.
159213	23-11-1982	Do.	Energy-efficient automatic sluice gate for sustaining a fluid level.
160410	11-5-1981	Do.	An automatic sheet metal cutting machine.
160906	26-6-1924	Do.	Rotary sluice gate

1	2	3	4
159909	24-8-1983	Aluminium Company of America, Alcoa Bldg , Pittsburgh, State of Pennsylvania, USA.	Method and apparatus for production of atomized metal
148872	27-1-1978	American Flange & Manufacturing Company, 1100 West Blancke Street, Linden, New Jersey, USA.	Closure plug
153008	20-9-1979	Do.	Closure plug
158859	13-5-1983	American Flange & Manufacturing Co. Inc , 1100 West Blancke Street, Linden, New Jersey 07306, U S A.	Container closure
160102	2-3-1984	Do.	A closure assembly for dispensing liquid products from cans and pails.
160334	28-2-1984	Aur Hydropower Limited, New Court, St. Swithn's Lane, London EC4, England	Water engine.
157055	6-8-1982	Blounthurst Ltd , 6 The Industrial Estate, Victoria Avenue, Swanage, Dorset BH 19 1BJ, England	A releasable clip for securing hosepipes and the like articles.
156887	24-8-1981	British Underwater Pipeline Engineering Ltd , Factory No BT 303/2C, Walney Road, Barrow-in-Furness, Cumbria, LA 14 5UG, Great Britain	A tool for use in securing a structure to a tubular pile inserted into the sea bed.
148099	19-12-1977	Clark & Vicario Corporation of 9620 Executive Center Drive North St. Petersburg, Florida 33702, U S A	Apparatus for cleaning and deaerating a suspension of paper making stock
153414	28-11 1979	Clark & Vicario Corporation of P E Box 10600, Pinellos Park, Florida 33565, U.S.A.	Method and apparatus for collecting and conveying liquids
153810	12-3-1980	Do.	Apparatus for cleaning and deaerating an aqueous suspension of paper making stock.
158963	25-11-1982	Do.	Multiple hydrocyclone apparatus
159699	6-9-1983	Do	Apparatus for providing deaerated stock to a processing machine
147493	1-11-1977	Compagnie Francaise D'Etudes Et De Construction "Technip", of 232 Avenue Napoleon-Bonaparte 92500 Fuell Malnaison, France.	Device for winding tubes around vertical and stationary cores.
155149	8-12-1980	Compagnie Francaise D' Etudes De Constructions "Technip" Paris	Method and apparatus for cooling and liquefying a day gas having a low boiling point.
161272	24-4-1984	Do. of 170 Place Henri Regnault, 92090 Paris, 1a Defence, France	Improvements in or relating to method and apparatus for cooling and liquefying gas having a low boiling point.
159063	11-8-1982	Corning Glass Works, Corning, State of New York, U S A	Electric furnace for melting thermoplastic material
142698	16-9-1975	Council of Scientific & Industrial Research (C.S.I.R.), Rafi Marg, New Delhi-1 India.	A device for picking up vibrations directly from the throat.
146773	8-8-1977	Do.	A precision wire tensiometer.
147051	22-10-1977	Do.	Improved screed vibration for surface compaction purposes.
148476	7-10-1978	Do.	A Dust collection device for use with rock drilling machines in the mines.
149249	17-5-1979	Do.	An improved apparatus for the simultaneous determination of carbon, Hydrogen and halogen or sulphur manganic matter coke and coal steel & like materials.
150486	18-3-1980	Do.	The continuous process for the surface graining of aluminium foil for aluminium offset lithographic plates used in duplicating machine.

1	2	3	4
150566	19-12-1978	Council of Scientific & Industrial Research (C.S.I.R.), Rafi Marg, New Delhi-1.	An improved wick stove.
151042	17-2-1979	Do.	A machine for chipping wood pieces into fine chips.
151381	20-10-1978	Do.	An improved table press machine for the manufacture of sand-lime bricks.
151471	6-4-1979	Do.	An improved flat knitting machine with automatic needle selection system.
151658	10-7-1980	Do.	A device for delineation of subsurface structures based on seismic technique.
152137	22-5-1979	Do.	Improved hydraulically driven circumferential prestressing machine
152720	14-10-1980	Do.	A closed circuit Hydraulic Prop for the support of Mine & Roofs with an improved relief valve mechanism.
152855	4-8-1979	Do.	Improvements in or relating process for producing fuel igniters fuel briquettes for the combustion of solid fuels in domestic or like ovens.
152996	19-9-1980	Do.	An improved resistant antivibration mounting for a machine to be fitted on a foundation or supporting structure.
153023	22-8-1979	Do.	Multi stage atomising Burner.
153301	31-1-1981	Do.	An improved rotary kiln for carrying out chemical reaction between solids and fluids.
153423	12-11-1980	Do.	Improved method of fabrication of space joints and structures formed thereof.
154410	26-9-1981	Do.	An improved device for static testing of fatigue parameters of cards and slow moving vehicles.
154672	3-12-1981	Do.	Improved wheel assembly for carts and like vehicles.
155359	11-2-1981	Do.	A process for activating particulate carbon in a rotary kiln by treatment with fluids.
156025	30-3-1981	Do.	Improved liquid fuel fired industrial burners
156163	2-9-1982	Do.	An improved hot air generator fired by particulate fuels.
157477	11-1-1982	Do.	An adjustable manually operated device for moving stagnated vehicle.
157696	26-2-1982	Do.	An improved liquid fuel fired burner.
157709	30-1-1982	Do.	An improved spinning pot for twisting and winding synthetic textile yarns.
157849	25-6-1982	Do.	A machine for internal and/or external surface coating of steel pipes with concrete or cement mortar.
157850	30-6-1982	Do.	A composite multisection quick release centering prop for use in situ concrete constructions.
158091	25-2-1982	Do.	An improved process for the production of stainless steel clad aluminium sheets.
159316	31-3-1983	Do.	An apparatus for precision low temperature vapour deposition of thin film coatings on water substrates.

1	2	3	4
159461	22-5-1984	CSIR	An improved portable solar cooker.
159540	4-6-1983	Do.	Improved Boring and skirting device for pile foundation in civil Engineering Works.
160098	21-1-1984	Do.	A device for burning solid fuels for domestic cooking and like purposes.
160360	31-12-1983	Do.	An improved liquified petroleum gas stove.
161545	30-4-1985	Do.	Hydraulic bolt tensioning device.
162243	9-12-1985	Do.	Gas sparger for exothermic Gas-solid reactions.
158903	18-2-1983	Dunlop Limited, Dunlop House, Ryder Street, St. Jame's London, SW1Y 6PX England.	Fluid pressure devices.
154754	8-10-1980	Dyno Industrier A.S., Nødre Slottsgt. 2, Oslo 1, Norway.	Building for detonating explosives.
158933	15-3-1983	Exxon Research & Engineering Co., Florham Park, New Jersey, U.S.A.	Power Plant integrating coal fired steam boiler with air turbine.
160335	28-2-1984	Do.	Improved exothermic catalytic reactor.
160589	28-3-1984	Do.	Method for separating a crystallizable component from a non-crystallizable component.
153368	22-11-1979	Falipe Saleté Graces, AV Ana de Juarez 193, col. Granjas San Antonio, Deleg. Iztapalapa, 09070 Mexico D.F.	Grain polishing and whitening machine.
153764	27-2-1980	Do.	Introduction type cyclonic separator.
154343	4-7-1980	Do.	Pneumatic grain conveyance rice Mill.
160846	11-7-1984	Do.	Screen and rotor assembly for grain husking decorticating, polishing and whitening.
155207	8-12-1930	Flexitallic Gaskets Ltd., Station Lane, Hockmondwike Yorkshire, England.	Improvements in and relating to gaskets.
157846	21-6-1982	G.D. Societa Per Azioni, Via Pomponia 10, 40100 Bologna, Italy.	Device for breaking a continuous rod in a machine for making cigarettes or cigarette filters.
159568	18-7-1983	Do.	Device for dispensing viscous materials.
153186	26-9-1979	General Signal Corporation, High Ridge Park, Stamford, Connecticut 06904, U.S.A.	Butterfly valve.
159278	7-12-1982	General Singal Corporation, High Ridge Park, Stamford, Connecticut, USA.	Mixing apparatus for mixing a liquid or a liquid suspension medium.
161156	4-7-1984	Glaverbel, Chaussees de la Hulpe 165, B-1170 Bruxelles, Belgium.	Lance for spraying particulate refractory forming combustible material particulate refractory material and a comburent gas.
161421	13-2-1984	Do.	A process for providing modified silica refractory structures.
161617	14-8-1984	Do.	Apparatus for monitoring the redox state of elements in glass.
150679	25-1-1979	Hydra-Tight Ltd., Argyle House, Bartley Mill Close, Walsall, West Midlands WS2 6BN, England.	Device for use in tightening nuts.
151967	4-1-1980	Ingersoll-Rand Canada Inc., 630 Dufferin Blvd. W. Montreal Quebec H3B 1S5, Canada.	Pressurized screening apparatus for screening a liquid suspension.

1	2	3	4
158137	30-7-1982	Ingersoll-Rand Company, 200 Chestnut Ridge Road, Woodcliff Lake, New Jersey U.S.A.	Rotor of the helical or screw type.
161456	13-8-1984	Ingersoll-Rand Co., 200 Chestnut Ridge Road, Woodcliff Lake, New Jersey 07675 U.S.A.	A pair of rotors.
159270	29-6-1982	Innovation Technique, Les Industries, Rue du stade, Principality of Monaco.	Device for heating an underlying element of plastic material prior to making a perforation in said underlying element of plastic material.
153240	23-10-1979	I.S.C. Smelting Ltd., 6th St. James's Square SW1Y, 4LD, England.	Lead splash condenser.
153401	15-11-1979	Jacquos Wybauw, 41 Avenue Brunard, 1180 Bruxelles, Belgium.	Prefabricated building.
148205	4-8-1978	Jean Guigan, 9 Rue Jean Mermoz, 75008 Paris, France.	Device for dividing a sample of liquid into a plurality of calibrated portions for analysis.
154925	14-10-1980	Do.	Simultaneous analysis apparatus.
153778	8-1-1980	Jervis B. Webb International Company, Webb Drive, Farmington Hills, Michigan 48018, U.S.A.	Conveyor chain and trolley assembly.
158443	21-12-1979	Kronos Inc., 355 Western Avenue, Boston, Massachusetts 02135, USA.	Time clock recording and computation apparatus for use with a time and other data card.
158444	21-12-1979	Do.	Time card means adapted for employment in a Time clock apparatus.
158446	21-12-1979	Do.	Time clock apparatus.
158457	21-12-1979	Do.	Time clock recording and computation apparatus.
148203	21-7-1978	Lodge-Cottrell Limited, of George Street, Parade, Birmingham B3 1QQ, England.	Improvements in or relating to fume, extraction.
148204	4-8-1978	Do.	Improvements in or relating to gas treatment plant.
150192	10-11-1978	Do.	Improvements in or relating to fume containment.
160545	31-10-1983	Marconi Avionics Limited, Airport Works, Rochester, Kent, England.	A strapped-down inertial system for a vehicle.
153542	5-12-1979	Marshall Richards Barcon Ltd., Grook, County Durham DL 15 8JU, England.	Improved wire drawing method and apparatus and the wire made there from.
166782	22-6-1984	Mefins S.A., 5A Boulevard de Perolles, 1700 Fribourg, Switzerland	Machine for working materials such as wood, metal and plastic
148833	30-4-1977	Mobil solar energy Corporation, at 16 Hickory Drive Waltham, Massachusetts, USA	Cartridge and Furnace for crystal growth
157694	19-2-1982	Do.	Apparatus for growing a crystalline ribbon-like body from a melt
158117	21-7-1982	Do.	Apparatus for growing tubular crystalline bodies.
158517	21-7-1982	Do.	Method and apparatus for growing a crystallized body from a melt
160563	17-4-1984	Do.	Apparatus and method of growing hollow tubular bodies of crystalline material
160669	25-4-1980	Do.	A method of making a silicon solar cell

1	2	3	4
148769	10-7-1978	Myron Grant Hampton and David John Mlin, The Pippins Peppard Common Hanley on-Thames, Oxfordshire & Bramblings South Stoke Road, Wood co North Reading Berkshire, ENGLAND.	Method and apparatus for drying tea and tea when dried thereby.
155023	11-12-1980	National Research Development Corporation, Kingsgate House, 66-74 Victoria Street, London SW1E 6SL, England.	Improvements in or relating to the valve timing mechanism of internal combustion engine.
161266	17-8-1984	Norsk-Hydro A S, Bygdy Alle 2, oslo 2, Norway.	Flexible container for filling, transport and storage of bulk materials.
148126	25-7-1978	Pandrol Limited, 9 Holborn, London EC1N 2NE, Engand.	Apparatus and a method for bending rods in making railway rail-fastening clips.
155586	14-7-1980	Do.	A railway rail-fastening clip
156984	27-8-1981	Pandrol Limited 9 Holborn, London EC1N 2NE Great Britain	A rail clip for railway track.
153362	19-11-1979	Paul-Wurth S.A. 32 rue D'Alsace Luxembourg, Grand Duchy of Luxembourg.	Process and installation for charging a shaft furnace.
157546	3-3-1982	Do.	Apparatus for controlling the movement of an oscillating spout.
157547	5 3-1922	Do.	An apparatus for actuating an oscillating spout.
157881	3-3-1982	Do.	Charging device for a shaft furnace.
158936	7-7-1983	Do.	Apparatus for controlling the movement of an oscillating material delivery spout.
159019	16-2-1983	Do.	A feed device for a shaft furnace.
159312	2-3-1983	Do.	Pulverulent materials distribution apparatus.
159617	1-6 1983	Do.	Apparatus for driving an oscillating spout for distribution of charging material in a blast furnace.

COMMERCIAL WORKING OF PATENTED INVENTIONS

MECHANICAL & GENERAL LIST NO III

The following patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by patentees in the Statements filed by them under section 145(2) of the Patents Act, 1970 in respect of calendar year 1988 generally on account of want of request for licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose

Patent No.	Date of Patent	Name and address of the Patentee	Title of the Invention
159618	1-6-1983	Paul-Wurth S.A. 32 rue D'Alsace, Luxembourg, Grand Duchy of Luxembourg	Apparatus for driving an oscillating spout the ore to the furnace.
159675	24-2-1983	Do.	Device for coupling.
159870	8 12-1983	Do.	Apparatus for guiding and changing immersion lances.
159957	24-2-1983	Do.	Apparatus for the liquid granulation of slag.
160062	19-1-1984	Do.	Conveyor belt assembly.

1	2	3	4
160180	22-11-1983	Paul-Wurth S.A. 32 rue D'Alsace, Luxembourg, Grand Duchy of Luxembourg.	A shaft furnace including the charging device provided with a cooling apparatus therefor.
160452	19-1-1984	Do.	Apparatus for the uniform charging of a belt for conveying granulated slag.
160453	19-1-1984	Do.	Filtering drum for a metallurgical slag filtering installation.
160951	4-4-1984	Do.	Apparatus for plugging the tapholes of shaft furnaces.
161548	6-6-1984	Do.	Apparatus for actuating a proportioning valve.
161784	23-10-1984	Do.	Device for driving an oscillating spout.
159314	16-3-1983	Peter Hurst, 2, Fleethall Road, Rochford, Essex SS4 1NF, England	Web spacing apparatus in combinations with a reelstand.
156087	18-6-1981	P I V Antrieb Werner, Reimers GmbH & Co. Kg., Industriestrasse, 3, D 6380, Bad Homburg 1, F.R.G.	Infinitely variable cone-pulley transmission.
156088	18-6-1981	Do.	Side-bar chain for infinitely variable cone pulley transmissions.
157397	28-12-1981	PPG Industries, Inc. One PPG Place, Pittsburgh 22, State of Pennsylvania, U.S.A.	Process and apparatus for making glass.
158278	28-6-1982	Do.	A method of manufacturing liquid glass from glass batch material.
158439	23-9-1982	Do.	Method and apparatus for producing float glass.
161524	4-7-1984	Do.	Method for liquefying glass batch material for the production of glass products particularly flat glass, container glass, fiber glass and sodium silicate glass product.
155718	26-3-1981	Quadrant Drive BV Lomboklaan 31, 3956 De Leeuwsom, Netherlands.	Rotary motion transmitting device having a toothed wheel and independently movable meshing elements.
148734	13-1-1978	Quigley Company 235 East, 42nd Street, New York, State of New York, U.S.A.	Method of preserving the lining of an AOD furnace lined with magnesia type refractory linings.
157802	11-3-1982	Do.	A method of forming a monolithic refractory layer on the inner surface of metallurgical vessel.
158281	30-9-1982	Rhein-Nadel Maschinen- und Handelsgesellschaft Mit Beschränkter Haftung Reichsweg 19-42, 5100 Aachen, Federal Republic of Germany.	An improved method of production of sewing machine needles.
151467	27-3-1979	Robert Joseph Aresty, 553 Pretty Brook Road, Princeton, New Jersey, U.S.A.	A solar energy collection apparatus.
158964	15-12-1982	Rodric Norman and Jeanne Josee Norman nec Jeanne Josee Neven, 19 Chemin du Blanc caillou, B-1420, Braine-L'Alleud, Belgium.	Apparatus for the heat sealing together confronting side walls of thermoplastics bags or sacks.
154555	19-8-1980	Ruhrchemie AG Bruchstrasse 219, Oberhausen, Federal Republic of Germany.	Radiation boiler.
159749	3-8-1983	Do.	Apparatus for the treatment and discharge of residues formed by gasification of ash containing fuels.

1	2	3	4
160077	21-11-1983	Scharringhausen Maschinenbau Gasellschaft Mit Beschränkter Haftung, D-7522, Phillipsburg 3, West Germany.	Apparatus for cutting metallic sheets and the like in panel form.
154399	14-7-1980	Shell International Research Maatschappij, B.V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A dispenser.
158531	30-3-1982	Shell International Research Maatschappij, B.V., Carel Van, Bylandtlaan, 30, 2596 HR, The Hague, The Netherlands.	Closure device.
147789	17-11-1977	SOCIETA D'Etudes, De Machines Thermiques 2, Quai cino, 93202, Saint Denis, France.	A supercharger set for internal combustion engines of reciprocating piston type.
149459	17-1-1978	Do.	Improvements in or relating to an apparatus for reducing pressure oscillations in a stream of exhaust gases from an internal combustion engine.
153381	25-9-1979	Do.	Improvement in or relating to a mushroom valve with forced fluid cooling in particular for an internal combustion engine.
153625	21-1-1980	Do.	Cam control device for a four stroke internal combustion engine.
154379	23-5-1980	Do.	Improvement in or relating to a fuel injection pump of internal combustion engine.
157868	12-4-1982	Do.	A fuel injection pump for an internal combustion engine.
158573	31-8-1982	Do.	Improvements in or relating to internal combustion engine.
148563	19-5-1978	Societe De Paris Et Du Rhone, 36 Avenue Jean-Mermoz, Lyon, 8 eme, Rhone, France.	Protective cover for alternator.
146871	15-12-1977	Societe pour Le Developpement Et L'Exploitation Du palmier, palmier a Hulle, of Ivory Coast of Boite postale 2049, Abidjan, Ivory Coast, and Bertin and Cie, of Feranee, of Boite Postale No. 3, 78370, Plaisier, France.	Apparatus for separation of the inner kernel from the shell of fruits.
155664	6-3-1981	Societa pneumatici pirelli S.P.A., of Piazzale Cadorna 5, Milan Italy.	Process for manufacturing radial tyres and radial tyres produced by the process.
156880	19-8-1981	Stock Equipment Company, 731 Hanna Building, Cleveland, Ohio 44115, U.S.A.	A weight sensing apparatus.
156881	19-8-1981	Do.	Reversing ratchet drive for door closer for coal feeders.
160451	20-12-1983	Societe Industrielle De Mecanique De Precision Aeronautique, 11 Chemin de Malepare, 31400, Toulouse, France.	A warhead for a missile.
153512	21-12-1979	Southwire Company, 126 Fertilla street, Carrolton, Georgia 30117, U.S.A.	Method for manufacturing heat treatable not formed aluminum base alloy cast bar.
158932	10-7-1979	Speno International S.A. 22-24 Pare Chateau-Banquet, 1211, Gonneva 21, Switzerland.	Apparatus for displaying at least one category of geometrical defects of railway tracks.
159377	20-6-1983	Sulzer Brothers Ltd CH-8401, Winterhur, Switzerland.	A gate valve for steam or water pipes.
159827	14-6-1983	Do.	A steam generator.
160439	9-4-1984	Do.	A device for receiving solar energy for use in color energy conversion.
160977	14-6-1984	Do.	Phase distribution tank.

1	2	3	4
153395	13-11-1979	TBA Industrial Products Limited 20 St Mary's Parsonage, Manchester M3 2NL, England.	A process for the production of solid woven conveyor belting and solid woven conveyor belting so produced.
158347	28-5-1982	Technicon Instruments Corporation, 511 Benedict Avenue, Tarrytown, State of New York, U.S.A.	Reaction tray.
146363	30-9-1977	Tesa S.A. of Rue, Bugnon 38, 1020, Renens, Switzerland.	Improvements to micrometers for interior or internal measurements.
148259	13-12-1977	Do.	Flat segment bevel lever for micrometer and gauges.
148480	3-4-1978	Do.	Interior gauge for measuring the diameter of bores of machined workpiece.
148557	22-2-1978	Do.	A shock absorbing device for use in dial measuring instruments.
161129	30-8-1983	Do.	Apparatus for measuring bores.
158371	1-6-1982	The General Electric Company Limited, 1, Stanhope Gate, London W1A, 1EH, England.	An assembly of electrical or electronic apparatus.
155035	25-11-1980	The Gillette Company Prudential Tower Building, Boston, State of Massachusetts, U.S.A.	A razor blade assembly.
156842	21-7-1981	Do.	Razor blade assembly.
156904	27-8-1981	Do.	A razor blade assembly.
157057	25-9-1981	Do.	Shaving implement.
159647	25-9-1981	Do.	A shaving implement.
159648	25-9-1981	Do.	An improved shaving implement.
153554	8-1-1980	The Goodyear Tire and Rubber Company, 1144 East Market Street, Akron, Ohio, USA.	A heavy truck tire.
157947	21-5-1982	Do.	Apparatus for treating textile cord.
158876	28-12-1982	Do.	Apparatus for detecting a rip in a conveyor belt moveable in a closed path of travel.
154401	15-7-1980	Thomson-Brandt, 173 Bl. Housemann, 75008, Paris, France.	Device for transporting and releasing a plurality of charges engage on a vehicle.
154505	15-7-1980	Do.	Device for sequentially coupling and separating a plurality of projectiles carried under an aircraft.
154511	22-7-1980	Toyo Engineering Corporation, 2-5 Kasumiga-seki 3-chome, Chiyoda-ku, Tokyo, Japan.	Granule producing apparatus.
155886	16-4-1981	Do.	Jet layer granulator.
153244	24-10-1979	Union Carbide Corporation, 270 Park Avenue, New York, State of New York, 10017, U.S.A.	Improved ultra filtration and reverse osmosis device.
153390	9-11-1979	Do.	Dry particulate inorganic ultrafiltration membrane and production thereof.

1	2	3	4
147574	7-11-1977	USS Engineers and Consultants, Inc. 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Sliding gate valve.
147686	20-8-1975	Do.	Apparatus for locating improperly positioned rolls in a curved roll-rack.
147808	29-9-1977	Do.	A sliding gate valve for a teeming vessel.
148421	2-2-1978	Do.	Improved slide gate valve apparatus.
152237	30-5-1979	Do.	A removable plate assembly for use in a rotary gate valve for teeming molten metal.
153103	17-9-1979	Do.	An apparatus for controlling the flow of liquid metal from the pour opening of a teeming vessel.
155012	21-11-1980	Do.	A refractory article and method for making the same.
157111	17-10-1981	Do.	A method of renovating or adapting an orificed lowervalue plate of a sliding gate valve.
157841	30-4-1982	Do.	A valve mechanism for attachment to a vessel wall for controlling metal flow from an outlet of the vessel.
158692	25-11-1982	Do.	Improvements in sliding gate valves for use in pouring molten metals.
158997	20-12-1982	Do.	An improved movable plate assembly for a sliding gate valve for teeming molten metal.
159858	24-5-1983	Do.	A sliding gate valve assembly for controlling the flow of molten metal.
158857	17-9-1979	Do.	Replaceable plate element for use in a valve for controlling the flow of liquid metal from a teeming vessel.
158858	17-9-1979	Do.	Valve for controlling the flow of liquid metal from the pour opening of a teeming vessel.
160658	30-5-1979	Do.	A slide gate valve for controlling the flow of molten metal from a teeming vessel.
160949	23-3-1984	Do.	A sliding gate valve assembly.
157950	2-6-1982	Vellourac 7 Place du chancelier Adenauer, 75017, Paris, France.	Apparatus for the controlled introduction into a fusion bath of treatment material therefor in the form of a continuous wire.

RENEWAL FEES PAID

142820	145260	145390	145465	146996	147124	147189	157489	157506	158047	158060	158218	158414	158557
147307	147318	147574	147647	147874	147937	148058	158614	158642	158690	158692	158694	158723	158818
148086	148527	148586	148862	148964	149055	149325	158960	158964	159214	159215	159224	159226	159229
149364	149844	150049	150090	150134	150194	150281	159242	159243	159245	159249	159277	159511	159524
150339	150342	150412	150476	150635	150663	151238	159633	159640	159655	159810	159844	159901	159902
151278	151284	151681	151749	151775	151834	151937	159912	159915	160129	160181	160189	160191	160196
151998	152280	152347	152338	152423	152556	152723	160343	160344	160356	160428	160494	160512	160537
152754	153233	153245	153346	153376	153390	153422	160714	160752	160838	160845	160883	160960	161049
153473	153616	153777	154007	154742	154863	154939	161413	161478	161507	161520	161620	161635	161647
154995	155009	155012	155024	155179	155210	155363	161679	161710	161719	161785	161887	161919	161936
155372	155580	155904	155915	156059	156083	156147	161974	161976	161987	162021	162067	162084	162095
156236	156287	156561	156864	156934	157182	157442	162123	162264	162326	162496	162497	162499	162517
							162521	162523	162567	162574	162615	162665	162791

162804 162806 162832 162859 162867 162972 163071
 163091 163114 163137 163157 163159 163206 163329
 163345 163361 163408 163508 163509 163570 163606
 163607 163608 163609 163635 163640 163752 163784
 163785 163786 163787 163811 163826 163841 163854
 163860 163925 163926 163927 163929 163950 163981
 163987 163995 156030 1164128 164130 164146 164260
 164277 164307 164308 164321 164373 164385 164387
 164399 164612 164849 164918 164981 165002 165003
 165004 165005 165006 165008 165009 165013 165015
 165018.

COMPLETE SPECIFICATION ACCEPTED

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक

विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा उद्दिष्ट विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी उदायगी पर की जा सकती है। विनिर्देश का पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. CLASS : 97BLIX(2) + 144 B XLII(3) 166201

Int. Cl. : B 28 B-11/6, C 23 C-4/06, 4/10, 20/28.

PARTICULATE COMPOSITION AND A METHOD FOR THE PROTECTION OF GRAPHITE ELECTRODES OF ELECTRIC ARC FURNACE.

Applicant : GREAVES FOSECO LIMITED, AN INDIAN COMPANY OF JOLLY BHAVAN NO. 2, 1ST FLOOR, NEW MARINE LINES, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) BEVAN GERARD THOMPSON, (2) SUSAN CATHERINE COOPER.

Application No. 216/Bom/87 filed July 6, 1987.

U. K. Convention priority date 5-7-11986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

11 Claims

Particulate composition for the protection of graphite electrodes of electric arc furnace which comprises 35 to 70% by weight of a refractory filler, 20 to 40% by weight of a graphite-wetting, fusible material and 10 to 25% by weight of an oxidisable metal or metalloid.

Compl. specn. 12 pages

Drg. Nil

Ind. CLASS : 31 C LVIII(2)

166202

Int. Cl. : C 30 B-29/50.

A METHOD FOR THE PREPARATION OF LARGE AREA SEMI-CONDUCTOR THIN FILMS.

Applicant & Inventors : DR. SHIVAJI HARIBA PAWAR, READER, DR. POPAT RAO N. BHOSALE, LECTURER, DR. CHANDRAKANT DNYANDEV LOKHANDE, DEPARTMENT OF PHYSICS, SHIVAJI UNIVERSITY, KOLHAPUR-416 004, MAHARASHTRA, INDIA, INDIAN NATIONALS.

Application No. 224/Bom/1987 filed on July 13, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

8 Claims

A method for the preparation of semiconductor films of the compounds of group V-VI of periodic table on metallic and non-metallic substrate by exposing solution containing corresponding metallic ions of the compound of group V-VI to reactive gas at pH less than 7 and temperature between 25 to 60°C.

Compl. specn. 6 pages

Drg. Nil

Ind. CLASS : 93 XXXIII(4)

166203

7 Claims

Int. Cl. : B 01 J-2/12.

A GRANULATING DEVICE WITH A PERFORATED HOLLOW CYLINDER.

Applicant : SANTRADE LIMITED, A COMPANY INCORPORATED UNDER THE SWISS LAWS, ALPENQUAI 12, 6002 LUZERN, SWITZERLAND.

Inventor : FROESCHKE REINHARD.

Application No. 232/Bom/1987 filed on 22-7-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

12 Claims

A granulating device comprising :

a perforated hollow cylinder rotatable about a generally horizontal axis and a hollow pressure roller supported eccentrically on stub shafts inside the cylinder and abutting with its periphery against the inner wall thereof;

wherein the inner wall of the cylinder and the outer wall of the pressure roller are provided respectively with axially extending teeth corresponding to each other, and wherein the pressure roller is adapted to press out granulation material from the cylinder which is perforated in the grooves (shoulders) disposed between adjacent teeth;

characterised in that the hollow cylinder is rotated on its axis by drive means and has perforations over its entire periphery the pressure roller being situated in a lower zone of the cylinder in such a way that the teeth of the cylinder and the roller intermesh in said lower zone;

wherein also an attachment for feeding the granulation material is provided in the area between the cylinder and pressure roller and a heating arrangement for the material, and a belt carrier is disposed beneath the cylinder transversely to the axis of the cylinder.

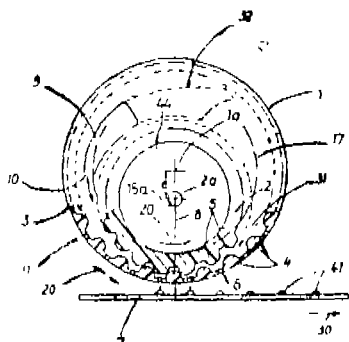


Fig. 1

Compl. specn. 13 pages

Drg. 2 sheets

Ind. CLASS : 167E, B, C [XXXIV(4)]

166204

Int. Cl. : B 07 B-1/46, 1/28, 1/06.

A MESH SCREEN.

Applicants : FLEXISTACK PTY LTD., 1, ATLAS COURT, WELSHPOOL, STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor : PAUL MAURICE ENSOR.

Application No. 236/Bom/87 filed July 24, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

A mesh screen comprising :

at least one pair of cylindrical members each having an inner circumferential face and an outer circumferential face and each member being open at an axial end thereof; and

a piece of mesh material clamped between the members;

characterised in that one cylindrical member is provided with a circumferential groove on the inner face thereof and a circumferential flange projecting axially in the same direction as the mouth of the groove, and the other cylindrical member is provided with a circumferential flange also projecting axially to circumferentially mate with the circumferential flange of said one cylindrical member with the mesh material interposed therebetween;

the free edge of the circumferential flange of said other cylindrical member being accommodated within the groove;

each of said cylindrical members is provided with an outer circumferential groove which remains exposed when said members are brought into mutual engagement;

to facilitate separating said members and the axial ends of said members;

opposite the respective circumferential flanges thereof are formed with axially projecting circumferential skirts to connect to an adjacent axial end of an adjacent cylindrical member;

said adjacent cylindrical member being :

an end cover member to enclose the end of said mesh screen, a partitioning member to facilitate interconnection to another mesh screen whilst maintaining isolation between said mesh screens, or a cylindrical member of another mesh screen to provide different screening layers each of which communicate with adjacent mesh screens.

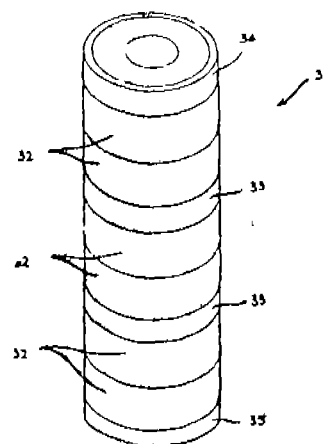


Fig. 4

Compl. specn. 17 pages

Drg. 7 sheets

Ind. CLASS : 189 LXVI(9)

166205

Int. Cl. : A 61 K-7/13.

PROCESS FOR THE MANUFACTURE OF AN AQUEOUS SINGLE PHASE COMPOSITION PARTICULARLY FOR USE IN THE TREATMENT OF KERATINOUS FIBRES.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, 1913.

Inventors: (1) ROBERT JOHN WARWICK HEFFORD, (2) ANDREW MALCOLM MURRAY.

Application No. 241/Bom/87 filed on July 27, 1987.

U.K. Convention priority date 30th July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

15 Claims

A process for the manufacture of an aqueous single phase composition, particularly for use in the treatment of keratinous fibres, which comprises, in addition to water :

- (i) an ionic species including an anionic monomer, such as herein described, or mixtures thereof;
- (ii) cationic species including a cationic polymer such as herein described, or mixtures thereof; and
- (iii) a solubilising agent chosen from amphoteric detergent active compounds, inorganic electrolytes and mixtures thereof,

the composition having an anionic to cationic charge ratio of from 0.2 to 1.0;

while process comprises the step of mixing together the oppositely charged species in the presence of the solubilising agent;

the anionic monomer and cationic polymer forming a complex;

the composition so formed comprising by weight expressed in terms of the total composition :

- (a) from 0.01 to 10% of the anionic monomer;
- (b) from 0.1 to 10% of the cationic polymer; and
- (c) from 0.1 to 30% of the solubilising agent, provided that when the solubilising agent comprises an amphoteric detergent active compound, it forms from 0.1 to 20%, and when the solubilising agent comprises an electrolyte, it forms 1 to 30%.

Compl. specn. 37 pages

Drg. Nil

Int. CLASS : G 06 F-15/00

166206

SYSTEM MANAGEMENT APPARATUS FOR A DATA PROCESSING SYSTEM.

Applicant : HONEYWELL BULL INC. A CORPORATION INCORPORATED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA, HAVING ITS OFFICE AT MINNEAPOLIS, MINNESOTA 55431, UNITED STATES OF AMERICA.

Inventors : (1) MR. GEORGE J. BARLOW, (2) MR. ELMER WAYNE CAROLL, (3) JAMES WILLIAM KEELEY, (4) MR. WALLACE ARTHUR MARTLAND, (5) MR. VICTOR MIGUEL MORGANTI, (6) MR. ARTHUR PETERS, (7) MR. RICHARD CHARLES ZELLEY.

Application No. 247/Bom/1987 filed on August 3, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

8 Claims

System management apparatus for use in a data processing system of the type wherein a number of sub-systems are coupled to a system bus, said apparatus comprising :

bus interface means directly coupling said system management apparatus to said system bus;

a number of shared resource means which provide information pertaining to the operational status of said system;

processing means coupled to each of said shared resource means and to said bus interface means; and said processing means being operative in response to

signals from said shared resources means to generate signals on said bus for communicating to certain ones of said subsystems the status of said shared resource means.

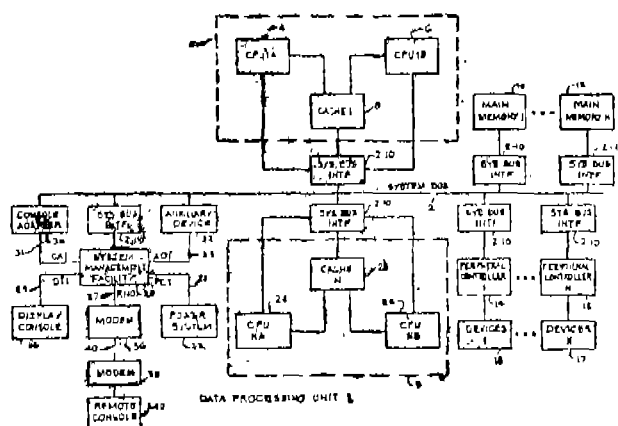


Fig. 1

Compl. specn. 39 pages

Drg. 6 sheets

CLASS : 47 B[XXXII(1)],

166207

84 C₂ [XXXII(2)].

Int. Cl. : C 10J-3/54, 3/56.

AN EQUIPMENT FOR CARRYING OUT RICE HUSK GASIFICATION.

Applicant : THERMAX PRIVATE LIMITED (AN INDIAN COMPANY) AT CHINCHWAD, PUNE-411 019, MAHARASHTRA, INDIA.

Inventors : NARENDRA DATTATREYA JOSHI.

Application No. 252/Bom/1987 filed August 3, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

2 Claims

An equipment for carrying out rice husk gasification, comprising :

- (i) a furnace having a perforated grate at the bottom to form a horizontal floor;
- (ii) a plenum chamber below the said grate to supply primary sub-stoichiometric air into the said furnace with help of a fan;
- (iii) feeding means such as a screw conveyor for feeding rice husk into the said furnace;
- (iv) fluidizing means such as a rotary scrapper for fluidizing the rice husk fed into the said furnace to produce flue gas; and
- (v) a refractory lined duct leading away from the top of the said furnace having air inlet for supplying air by means of a fan in the secondary stage to

the said flute gas for complete combustion of the flute gas.

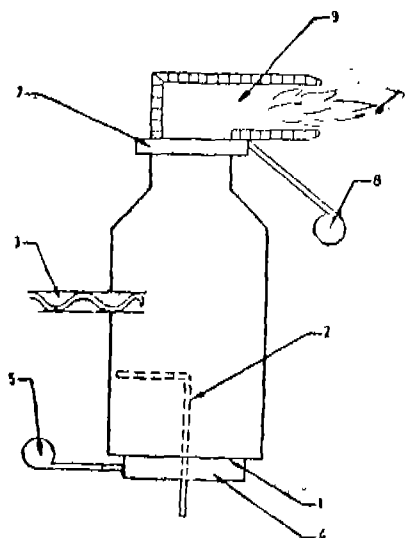


Fig. 1

Compl. specn. 8 pages

Drg. 1 sheet

CLASS : 40 B [IV(1)].

166208

Int. Cl. : B 01 j - 21/14, 21/16.

PROCESS FOR PREPARING A SILICA/MAGNESIA CATALYST COGEL BASE.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 163/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : ANDREW PAUL CHAPPLE.

Application No. 253/Bom/1987 filed on 5th August, 1987.

U. K. Convention priority date 6th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

10 Claims

A process for preparing a silica/magnesia catalyst cogel base wherein :

- (i) A liquid magnesia source, such as herein described, at a pH below 10 and a liquid silica source, such as herein described, are intimately mixed in proportions providing a magnesia content in the range 5% to 50% by weight in a liquor with a pH from 9.0 to 10, and
- (ii) The resultant liquor is maintained at a pH 9.0 to 10 until no free magnesia is detected in the solid phase by IR spectroscopy, and magnesium ions are not detected in the liquid phase.

Compl. specn. 20 pages.

Drg. 1 sheet

CLASS : 32 C [IX(1)] + 55 E, [XIX(1)]

166209

Int. Cl. : C 12 P - 21/02, A 61 K - 37/02.

A PROCESS FOR THE PRODUCTION OF A NOVEL ANTIBIOTIC COMPLEX CALLED CAMMUNOCIN FROM A NEW STRAIN OF *STREPTOMYCES* SPECIES CULTURE NO. HIL Y-84,36210 OR ITS VARIANTS OR MUTANTS.

Applicant : HOECHST INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : 1. CHRISTOPHER MILTON MATHEW FRANCO, 2. SUGATA CHATTERJEE, 3. ERRA KOTESWAR SATYA VIJAYA KUMAR, 4. BIMAL NARESH GANGULI, 5. RICHARD HELMUT RUPP.

Application No. 312/Bom/1987 filed on Oct. 7, 1987.

Complete after provisional left on : Nov. 7, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

5 Claims

A process for the production of a novel antibiotic complex called Cammunocin from a new strain of *Streptomyces* species culture no. HIL Y-8436210 or its variants or mutants, said process comprises cultivating said strain or its variants or mutants by fermentation at 18 to 40°C under aerobic conditions in an aqueous nutrient medium such as herein described at a pH between 6 to 9 and isolating and purifying the said Cammunocin from the culture broth in a known manner such as herein described.

Provisional specn. 28 pages

Drg. 4 sheets

Compl. specn. 26 pages.

Drgs. Nil

Int. Cl. : E 05 C - 17/44.

166210

AN IMPROVED DOOR STOPPER.

Applicant : EARL BIHARI PVT. LTD. AN INDIAN COMPANY OF SAKI VIHAR ROAD, BOMBAY-400 072, MAHARASHTRA, INDIA.

Inventor : GEOFFRY BIHARILAL NAGPAL.

Application No. 331/Bom/87 filed Oct. 28, 1987.

Complete after provisional left Jun. 29, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims

An improved door stopper comprising :

- a guide member;
- a sliding member provided within the said guide member;
- a spring clasp mounted on the said sliding member; and
- a stopper arm having means to provide suction and friction with the floor, such as, a rubber bush pivoted to the said spring clasp.

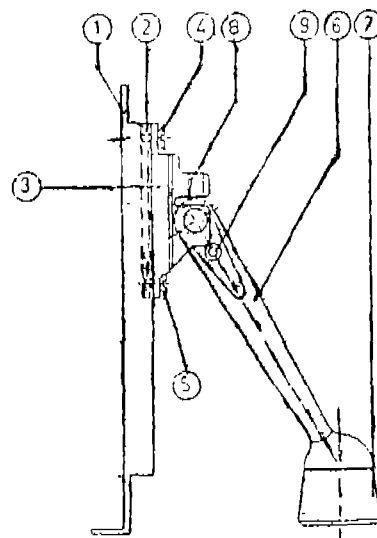


Fig. 1

Provn. specn. 2 pages.

Drg. 1 sheet

Compl. specn. 7 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 09 K 3/10.

166211

A METHOD OF MAKING A GELLOID COMPOSITION.

Applicant : RAYCHEM CORPORATION, A COMPANY ORGANIZED ACCORDING TO THE LAWS OF THE STATE OF CALIFORNIA, U.S.A., OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

Inventors : (1) LESTER TUNGNAN, (2) CHAN, RONG JONG.

Application No. 678/Mas/85 filed August 30, 1985.

Convention date : February 1, 1986; (No. 8502587; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 Claims

A method of making a gelloid composition comprising :

- providing a liquid composition comprising a non-silicone liquid polymer having low or no unsaturation having dispersed therein a known filler of upto 0.3 volume fraction and a liquid which may be used either as plasticizer, compatibilizer, tackifier etc., in an amount of from 20 to 95% of the total weight of the polymer and liquid;
- partially crosslinking the liquid composition with suitable crosslinking agent and by conventional crosslinking means to form a gelloid composition having olefinic unsaturation content of less than 10 mole percent and having from 1 to 3 crosslinks per weight average molecule;
- said composition having a storage modulus of $(1 + 2.5v + 14.1v^2) \times \text{dynes/cm}^2$ wherein x is less than 5×10^5 at 30° and greater than 5×10^9 at 90° , and v is the volume fraction of the filler, a dynamic viscosity of $1 + 2.5v + 14.1v^2$ y poises wherein y is less than 1×10^9 at 30°C and greater than 3×10^9 at 90°C and v is the volume fraction of the filler, and exhibiting first degree blocking.

Compl. specn. 23 pages.

Drg. Nil

Int. Cl.⁴ : D 01 H 1/243.

166212

A FRICTION SPINNING DEVICE.

Applicant : MACHINENFABRIK REITER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : ARTHUR WURMEL.

Application No. 688/Mas/85 filed September 3, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A friction spinning device comprising :

- a fibre feed passage (3) for pneumatic feed of textile fibres between a fibre opening assembly (2) and a spinning unit (4) the fibre feed passage (3) being formed by an assembly of at least two adjoining longitudinal parts (10, 11; 10.1, 11.1; 10.2, 11.2; 10.3, 11.3; 10.4, 11.4);

the said adjoining longitudinal parts meeting to form a fine joint gap (17, 18) characterized in that recess is provided on at least one of the said adjoining longitudinal parts thereby forming a slot (15, 16 15.1, 16.1; 15.2, 16.2; 15.3, 16.3) communicating between the said fibre feed passage (3) and the fine joint gaps (17, 18) formed by the union of the said adjoining longitudinal parts.

Compl. specn. 17 pages.

Drgs. 5 sheets

Int. Cl.⁴ : D 01 G 9/08; 9/14.

166213

A METHOD AND APPARATUS FOR OBTAINING DUST FREE FIBRE.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESellschaft, A GERMAN COMPANY, KURT ZIEGLER (4) GERHARD FGBERS. (5) JACEK GERMANY.

Inventors : (1) PETER ARZT, (2) HEINZ MULLER, (3) KURT ZIEGLER (4) GERHARD EGLERS, (5) JACEK WOHAUN.

Application No. 719/Mas/85 filed September 13, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A method of obtaining dust free fibre which comprises passing the fibre by means of a covered cylinder over a mesh screen having mesh of a size enabling dust particles to pass therethrough but retaining the fibre thereon, subjecting the fibre while it is passing over the mesh screen to a suction air stream, the such air stream is guided away from the fibre at acute angle (a) opposing the fibre transportation direction.

Compl. specn. 29 pages.

Drgs 5 sheets

Int. Cl.⁴ : C 08 I. 5/00.

166214

A PROCESS FOR PREPARING A RECONSTITUTED COMPOSITE PRODUCT SUCH AS PANEL BOARDS OR MOLDED ARTICLES FROM A LIGNOCCELLULOSIC MATERIAL.

Applicant & Inventor : KUO CHENG SHEN, OF 2118, RADFORD COURT, OTTAWA, ONTARIO, CANADA-K1J 8K1, CITIZEN OF CANADA.

Application No. 755/Mas/85 filed September 25, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A process for preparing a reconstituted composite product such as panel boards or moulded articles from a lignocellulosic material comprising treating the lignocellulosic material in divide from with steam to a temperature of 120°C to 280°C to decompose and hydrolyze hemicellulose into free sugar polymer, dehydrated carbohydrates, furfural products and other decomposition products, but with no significant degradation of cellulose occurring, forming the treated lignocellulosic material into a mat and pressing the mat at a temperature of 160° to 250°C at pressure and for a time sufficient to transform and thermoset the free sugars, sugar polymers, dehydrated carbohydrates, furfural products and others decomposition products in the lignocellulosic material into a polymeric substance, which adhesively bonds together "in situ" the lignocellulosic material to yield the reconstituted composite product.

Comp. 22 pages.

Drg. 1 sheet

Int. Cl.⁴ : G 02 B 26/00.

166215

APPARATUS FOR PRODUCING A SIGNAL RESPONSIVE TO THE TRANSMISSION AND SCATTERING OF LIGHT PROJECTED ONTO OBJECTS.

Applicant : SPANDREI ESTABLISHMENT, A LIECHTENSTEIN COMPANY, OF STAEDTLE 36, 9490 VADUZ, LIECHTENSTEIN.

Inventors : (1) CHRISTOPHER MARK WELBOURN AND (2) MARTIN PHILLIP SMITH.

Application No. 780/Mas/85 filed October 4, 1985.

Convention dated to 5th October, 1984, U.K. No. 8425273.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

33 Claims

Apparatus for producing a signal responsive to the transmission and scattering of light projected onto objects, comprising :

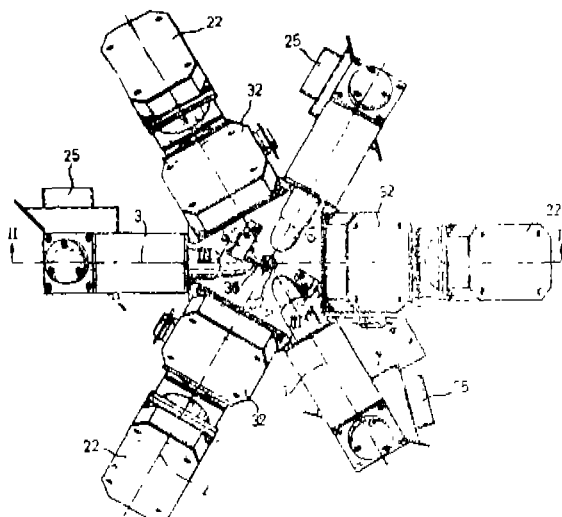
at least one means for projecting an illuminating beam at each successive object, the beam being wide enough to bathe all the facing surface of the object;

at least one first responsive means for producing a signal responsive to the total flux of radiation scattered and transmitted through the object in a notional hollow cone optically coaxial with the beam with its apex at the object, the outersurface of the cone having a half angle substantially less than 90° and the inner surface of the cone having a narrow half-angle;

at least one second responsive means optically coaxial with the beam for producing a signal responsive to the reduction in flux when the object is in the beam and means receiving the total transmitted flux signal and the flux reduction signal for producing a third signal responsive to the transmissivity of the object which enables classification of the objects.

Compl. specn. 19 pages.

Drgs. 3 sheets



Int. Cl.⁴ : G 02 B 26/00.

166216

APPARATUS FOR PRODUCING SIGNALS REPRESENTATIVE OF THE COLOUR HUE OR COLOUR SATURATION OF AN OBJECT.

Applicant : SPANDREL ESTABLISHMENT, OF STAE-DTLE 36,9490, VADUZ, LIECHTENSTEIN, A LIECHTENSTEIN COMPANY.

Inventors : (1) CHRISTOPHER MARK WELBOURN, (2) MARTIN PHILLIP SMITH, (3) ANDREW DAVID GARR STEWART.

Application No. 781/Mas/85 filed October 4, 1985.

Convention date : October 5, 1984; (No. 8425274; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

26 Claims

Apparatus for producing signals representative of the colour hue or colour saturation of each of a succession of objects being examined, comprising :

at least one examination zone;

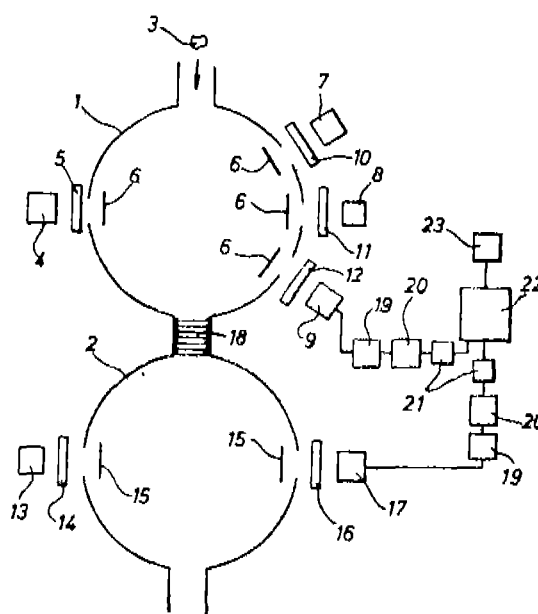
means for feeding the objects one by one through the examination zone;

means for illuminating with light the object in the examination zone;

means associated with the examination zone for producing an uncorrected colour signal responsive to the presence of the object in the examination zone;

means for producing a size signal responsive to the size of the object being examined; and

means responsive to the uncorrected colour signal and the size signal for correcting the uncorrected colour signal in accordance with the size of the respective object and thereby producing a corrected colour signal representative of the colour hue or colour saturation of the object being examined to allow classification of the objects.



Compl. specn. 21 pages.

Drgs. 5 sheets

Int. Cl.⁴ : F 16 C 33/12.

166217

A BEARING.

Applicant : AEPLC, A COMPANY REGISTERED UNDER THE LAWS OF ENGLAND, OF CAWSTON HOUSE, CAWSTON, RUGBY, WARWICKSHIRE CV22 7 SA, ENGLAND.

Inventor : GYLNDWR JOHN DAVIES.

Application No. 832/Mas/85 filed October 22, 1985.

Convention date : 22nd October, 1984; (No. 8426637; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

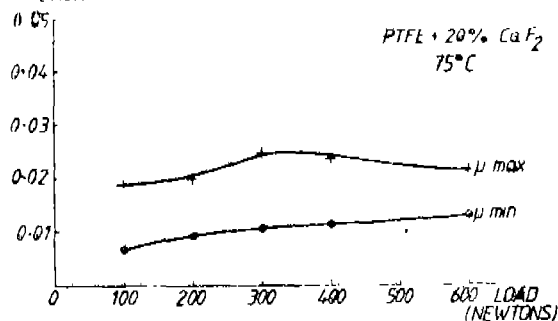
6 Claims

A bearing comprising a sinter layer on a metal backing and a bearing layer on the sinter layer, the bearing layer comprising a surface layer of polytetrafluoroethylene (PTFE), with 10% to 30% by volume of an ionic fluoride having a solubility in water which is less than $0.05 \text{ g}/100\text{cm}^3$ at 18°C , the ionic fluoride being in a finely divided form in the poly-

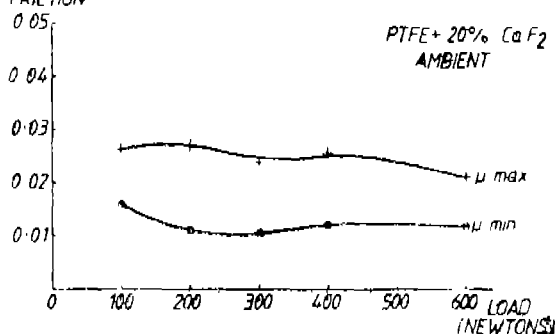
tetrafluoroethylene and having a particulate size in the range of 0.01 to 10 microns.

preferably higher than 0.010 kg/sec for a tube having inside diameter of 0.020 meter.

COEFFICIENT
OF FRICTION



COEFFICIENT
OF FRICTION



Compl. 14 pages.

Drgs. 3 sheets

Int. Cl.⁸ C 23 F 15/00.; B 24 C 1/00, 3/06.

166218

PROCESS AND DEVICE FOR MAKING A CORROSION RESISTANT STEAM TUBE FOR A STEAM GENERATOR.

Applicant : FRAMATOME & CIE, OF TOUR FIAT-1 PLACE DE LA COUPOLE, 92400 COURBEVOIE, FRANCE, OF FRENCH NATIONALITY.

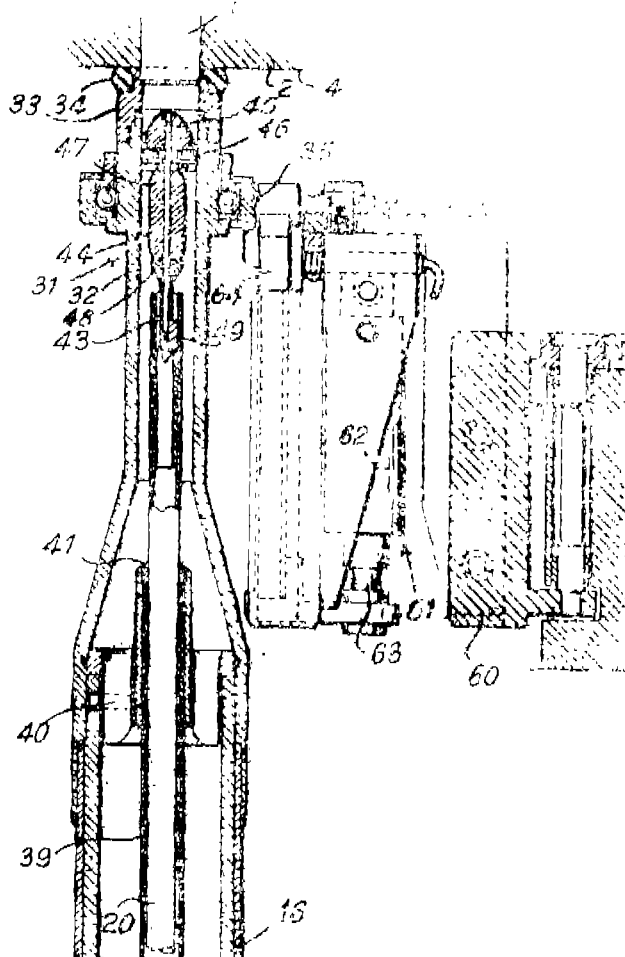
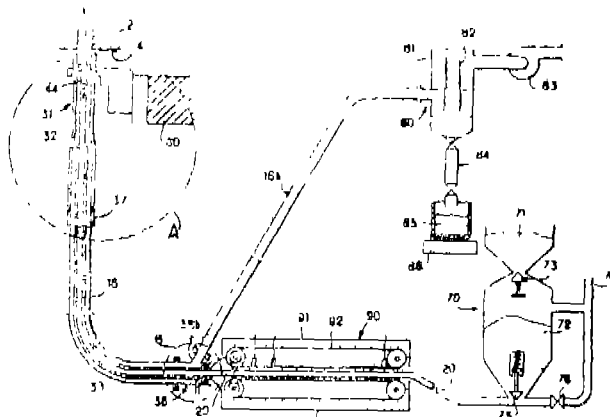
Inventor : CLAUDE BIANCHI; YVES FOURNIER; PAUL JACQUIER.

Application No. 864/Mas/85 filed 29th October 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 Claims

A process for making a corrosion resistant steam tube for a steam generator by gripping the tube (1) by rolling its walls in a tubular plate (2) with one of its end flush with one of the faces (4) of tubular plate, the other end projecting from the other face (5) of the tubular plate, directing a stream of gas at high velocity charged with particles composed of a known material with hardness higher than the hardness of the material of the tube (1) and having particle size between 50 μm to 500 μm on the inner surface of the tube in radial direction throughout its periphery, wherein the velocity of the gas stream and the density of the particles in the gas being such that the flow of the mass of the particles striking the inner surface of the tube being higher than 0.008 kg/sec and



Compl. specn. 28 pages.

Drgs. 8 sheets

Int. Cl.⁴ : B 65 G 53/00; G 01 F 15/00. 166219**AN APPARATUS FOR CONTINUOUS METERING AND PNEUMATIC FEEDING OF POURABLE MATERIAL.**

Applicant : PFISTER GmbH, OF STAETZLINGERSTRASSE 70, D-8900 AUGSBURG, FEDERAL REPUBLIC OF GERMANY A F R G COMPANY.

Inventor : HANS WILHELM HAEFNER.

Application No. 891/Mas/85 filed November 6, 1985.

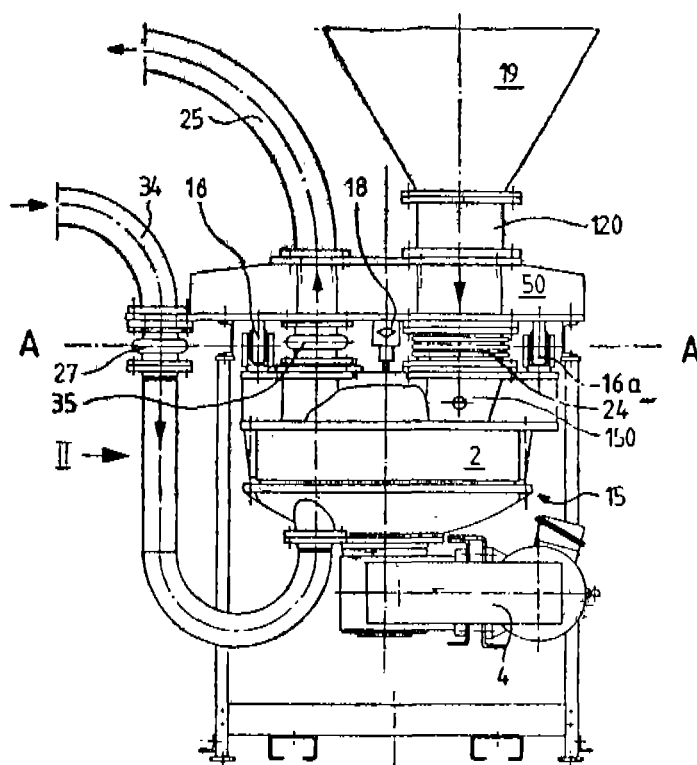
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

22 Claims

An apparatus for continuous metering and pneumatic feeding of pourable material comprising :

housing;

a rotor having laterally closed feeding pockets and arranged in said housing for rotation about an essentially vertical axis;



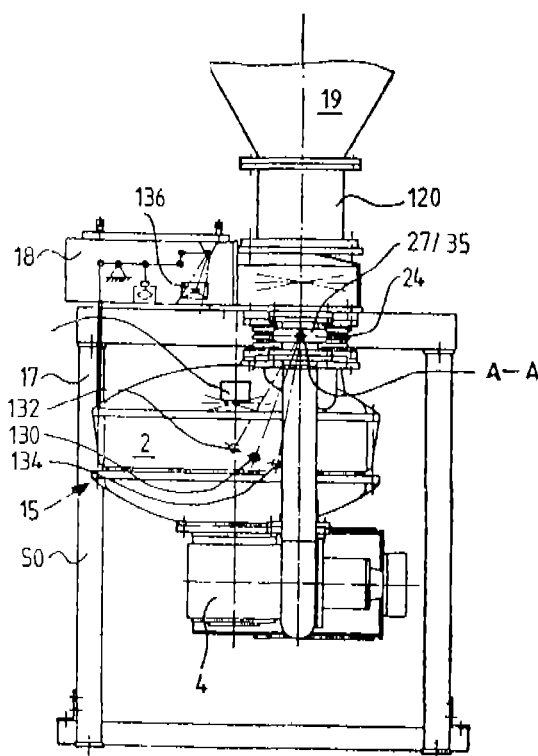
a charging and a discharging station for feeding material to said feeding pockets and for emptying said feeding pockets;

a pneumatic system connected to said discharging station for blowing out material from said feeding pockets;

a support means at which said housing is hinged for pivotal movement about an essentially horizontal axis;

a force measuring means connected between said support means and said housing for measuring a momentary load of material contained in said feeding pockets when rotating from said charging to said discharging station and control means regulating the rotation of the rotor adjusting the amount of feed material to a desired amount depending on said load measured; and

adjusting and compensating means comprising bearing supports, second and third compensators arranged along axis A-A, temperature sensor at the discharging station and damping element at force measuring device, the said adjusting and compensating means is for eliminating variations in measurement values due to mechanical and thermic influences.



Compl. specn. 20 pages.

Drgs. 7 sheets

Int. Cl.⁴ : B 65 G 65/30. 166220**CATALYST LOADING APPARATUS FOR UNIFORMLY DISTRIBUTING CATALYST PARTICLES RADIALLY ACROSS A LARGE DIAMETER BED IN A REACTOR VESSEL.**

Applicant : CHEVRON RESEARCH COMPANY, A CORPORATION DULY ORGANIZED UNDER THE LAWS OF THE STATE DELAWARE, U.S.A., OF 555 MARKET STREET, SAN FRANCISCO, CALIFORNIA, U. S. A.

Inventors : (1) STEVEN A. SOUERS, (2) BRUCE E. POWELL.

Application No. 912/Mas/85 filed November 15, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

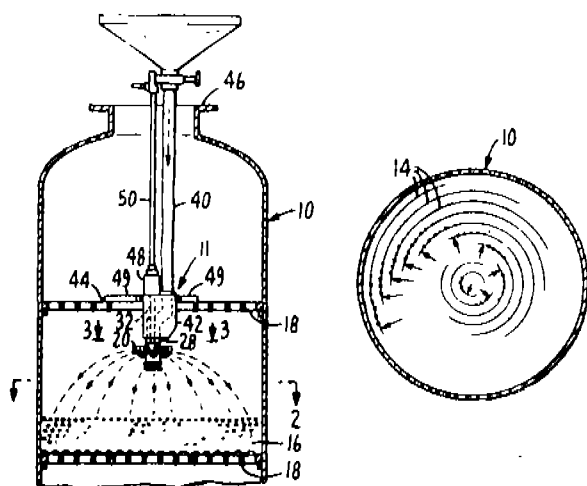
A catalyst loading apparatus for uniformly distributing catalyst particles radially across a large diameter bed in a reactor vessel, said apparatus comprising :

hopper means supply catalyst particles into feed tube means having an outlet with a discharge opening extending generally centrally into the reactor vessel;

a disc-like member mounted to provide a distribution surface with the reactor vessel below the outlet of said feed tube means, said distribution surface of the disc-like member being divided into a multiplicity of radially-extending sectors having a common vertex at the center of said disc-like member, each of said sectors beginning at substantially the same radial distance outward from said vertex, each of said sectors having

an area formed by an included angle and the radial length proportional to the horizontal area of an associated annular area on the surface of the bed of catalyst within the vessel; and

drive means for driving the disc-like member in rotation about its center.



Compl. specn. 24 pages.

Drgs. 3 sheets

CLASS : 206 E & 186 C.

166221

Int. Cl.⁴ : G 01 S 9/00 .

DEVICE FOR AUTOMATICALLY TRACKING A TARGET.

Applicant : HUGHES AIRCRAFT COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING A PRINCIPAL PLACE OF BUSINESS AT 7200 HUGHES TERRACE, LOS ANGELES, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Inventor(s) : ARTHUR KENNETH RUE, GORDON THOMAS POPE & EARL LAUREN EMERSON.

Application for Patent No. 307/Del/86 filed on 2nd April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

5 Claims

A device for automatically tracking a target and for generating tracking error signals from input electromagnetic video signals derived from a target scene and for forming successive video frames of two-dimensional image plane, said image plane being defined by a plurality of pixels having intensity values and discrete locations in the image plane, said device comprising :

An input comprising a scene signal receiver (22, 24) and a video preprocessor (28) connected to said receiver (22, 24) for receiving said input video signals;

a first video processor (32) connected to said video preprocessor (28) and for generating a first set of tracking error signals; said first video processor having—

(1) first processor input means (76) for receiving said input video signals from said input and connected said video preprocessor (28);

(2) means (78, 96, 98) for generating a pixel intensity threshold value, pixel generating means (78, 96, 98) connected to said first processor input means (76),

(3) means (80) for comparing intensity values of said input video signals with said threshold value and for computing a centroid of pixels in said image plane having at least a certain intensity value relative to said threshold value, said comparing means (80) connected to said video preprocessor (28) and said pixel intensity threshold generating means (78, 96, 98),

a second video processor for processing said input video signals and for generating a second set of tracking error signals, said second video processor (30) being connected to said video preprocessor 28 and said first video processor (32) said second video processor (98) having—

(1) second input means (106, 108) for receiving said input video signals from said video preprocessor connected thereto,

(2) first storage means (110) connected with said second input means (106) for storing pixel intensity values of a current video frame,

(3) means (144, 148) connected with said first storage means for subtracting pixel intensity values stored in said first storage means from the intensity values of the input video signals received by said second input means (106, 108) to produce difference video signals, and

means (23, 144, 148) for delivering said difference video signals from said subtracting means to said first input means (76) whereby said difference video signals are combined with the input video signals supplied to said first processor (32).

Compl. specn. 62 pages.

Drgs. 8 sheets

CLASS : 69 A.

166222

Int Cl⁴ Ho1H 83/00

"SWITCHGEAR OPERATING MECHANISM".

Applicant : ASSOCIATED ELECTRICAL INDUSTRIES LIMITED, A BRITISH COMPANY, OF 1 STANHOP GATE, LONDON W1A 1EH, ENGLAND.

Inventor : GEORGE GRAHAM WILLIAMS.

Application for Patent No. 319/Del/86 filed on 9th April, 1986.

Convention date April 22, 1986/8510205/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

8 Claims

A switchgear operating mechanism comprising :

a drive shaft (5) rotatable in one or the opposite direction to effect the opening or closure respectively of the switch contacts;

a drive lever (L) non-rotatably fixed to the drive shaft;

a bell crank lever (9) linked to the drive lever by a toggle mechanism comprising a pair of links (1, 2) pivoted respectively to the bell crank lever and the drive lever, and also pivoted to each other, the links being effective to hold the drive shaft in a position in which the switch contacts are closed against respective spring means tending to open the contacts, when the links extend in a straightened condition between the levers;

a rotatable toggle actuating lever (4) coupled through a further link (3) to the junction of the links (1, 2) of the toggle mechanism, and rotatable into a position in which it acts to maintain the links in said straightened condition;

a trip mechanism (8) which serves to maintain the actuating lever (4) in said position, but is operative to release the actuating lever to cause the lever to rotate from said position and allow the toggle mechanism collapse, thereby allowing the switch contracts to open.

a reset lever (10) pivotally coupled to a drive member (11) and operative to cause the drive member to engage the bell crank lever and rotate it in a direction which produces a straightening of the toggle mechanism links (1, 2), at the same time compressing a further spring means (15) which tends to rotate the bell crank lever in the opposite direction, the drive member (11) being disengageable from the bell crank lever on further rotation of the reset lever, and the further spring means being capable to closing the switch contracts against the action of the first means.

Compl. specn. 9 pages.

Drgs. 2 sheets

CLASS : 69 I B.

166223

Int. Cl.⁴ : HO₁H 3/00 & 47/00.

DIFFERENTIAL RELAY TO PROTECT AN ELECTRICAL FEEDER.

Applicant : THE GENERAL ELECTRIC COMPANY P. L. C., A BRITISH COMPANY, OF 1, STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

Inventors : WAH SANG KWONG & ADRIAN ORTON NEWBOULD.

Application for Patent No. 320/Del/86 filed on 9th April, 1986.

Convention date April 12, 1985/85091422/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

15 Claims

A differential relay operative to protect an electrical feeder (5) in an electrical power transmission system in dependence on the difference in an electrical quantity monitored at different monitoring points on the feeder (5) comprising :

a first apparatus (1) including first clock means (33) and first sampling means (31) connected with said first clock means (33) and with the feeder (1) at a first said monitoring point to produce digital data representative of the value of an electrical quantity at said first monitoring point at first sampling times defined by said first clock means (33);

a second apparatus (3) including second clock means (37) independent of said first clock means (33) and second sampling means (35) connected with said second clock means (37) and with the feeder (5) at a second said monitoring point to produce digital data representative of the value of said electrical quantity at said second monitoring point at second sampling times defined by said second clock means (37); and

a digital data communication channel (7) connecting said first and second apparatuses to permit comparison of the digital data produced by said first and second sampling means (31, 35) wherein : said first apparatus (1) includes transmitting means (43) connected with said communication channel (7) for transmitting through the

communication channel (7) a polling message from said first apparatus (1) to said second apparatus (3);

said second apparatus (3) includes receiving and transmitting means (45) connected with said second sampling means (35) and said communication channel (7) and responsive to receipt of said polling message to return to said first apparatus (1) back through said communication channel (7) a data message representative of said digital data produced by said second sampling means (35); and

the first apparatus (1) includes computing means connected to said first sampling means (31) and said communication channel (7) for utilising said data message to compute digital data representative of the values of said electrical quantity occurring at said first and second monitoring points at substantially the same instant.

Compl. specn. 14 pages.

Drgs. 3 sheets

CLASS : 50 A.

166224

Int. Cl.⁴ : B 65 C 5/02, 9/00.

"A RESERVOIR AFOR A SCRYOGENIC FLUID".

Applicant : L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDURES GEORGES CLAURE, A FRENCH BODY CORPORATE, OF 75, QUAI DOORSAY-75007 PARIS (FRANCE).

Inventors(s) : JEAN-YVES FAUDOU & BERNABAD SIMON.

Application for Patent No. 337/Del/86 filed on 15th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

8 Claims

A reservoir (2) for a cryogenic fluid comprising :

a vessel (3) for containing the cryogenic fluid;

an elongated filling neck (1) having an end connected to the vessel; and

at least one elongated band (5) of thermal insulating material, the band having two longitudinal edges and being wound around the neck and the vessel and forming a plurality of superimposed layers of the band each of which has one said edges (51) adjacent the neck and the other said edge remote from the neck, wherein the reservoir comprises a cord (6) helically wound around the neck in a plurality of turns and which contacts said adjacent edge (51) of each said layer to position said layer along said neck.

Complete Specification-9 Pages

Wrawing 2 sheets

CLASS : 83 A₃B₆.

166225

Int. Cl.⁴ : 23 P 1/12.

"APPARATUS FOR EXTRUDING FOODSTUFFS".

Applicant : HEINZ SCHAAF NAHRUNGSMITTEL-EXTRUSIONSTECHNIK, OF QUELLENWEG 14 + 79A, 6277 BAD CAMBERG-OBERSËLTEN, WEST GERMANY.

Inventor : HEINZ-JOSEF SCAAF.

Application for Patent No. 399/Del/86 filed on 2nd May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

13 Claims

Apparatus for extruding foodstuffs comprising an extruder screw for feeding the material to be extruded, a nozzle head and a cutting means for treating the extruded material, characterized in that on the nozzle head (10, 80) a cutting blade (36, 38, 40, 42; 92, 94) is rotatably mounted and that the cutting blade is led past the nozzle opening (12, 82).

Compl. specn. 9 pages.

Drgs. 2 sheets

CLASS : 113 C.

166226

Int. Cl.⁴ : H 01 K 1/00.

"IMPROVEMENT IN OR RELATING TO CAPS FOR DOUBLE FILAMENT BULB".

Applicant & Inventor : ASHOK BAID, MINERVA BUILDING, JODHPUR, 342 001 INDIA AN INDIAN NATIONAL.

Application for Patent No. 402/Del/86 filed on 5th May, 1986.

Complete Specification Left on 14th Oct., 1986.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

An improved cap for double filament bulb comprising three eyelets (E_1 E_2 E_3) mounted on a insulated base of the cap wherein one eyelet (E_1) is bigger than the other eyelets, the said eyelet (E_1) is connected to two electrodes (L_1 L_2) provided for passing current to both the filaments, two smaller (E_2 E_3) being connected to each filament (F_1 F_2) separately through its respective electrodes, a cap pin (P) mounted on the cap being capable of rotation within the notch provided on the body of the cap and the said cap pin is held by a spring which control the movement of the said cap pin.

Provisional specification 3 pages.

Compl. specn. 6 pages.

Drgs. 2 sheets

CLASS : 160 C, 205 C.

166227

Int. Cl.⁴ : B 60 B 3/00, 17/00.

"POWER -ADJUSTABLE -VARIABLE -TRACK WHEEL".

Applicant : GKN SANKEY LIMITED, A BRITISH COMPANY OF P.O. BOX 20, HADLEY CASTLE WORKS, TELFORD, SHROPSHIRE TF1. 4RE, ENGLAND.

Inventor(s) : WILLIAMS EDWARD, CROWE ROY TERENCE & SAYER JOHN.

Application for Patent No. 436/Del/86 filed on 15th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

8 Claims

A power-adjustable-variable-track wheel comprising :
a rim (11), a plurality of part-helical rail (26, 27, 28, 29) secured to the inner periphery of the rim (11) in circumferentially-spaced relation;

a disc (10), and brackets (16, 17, 18, 19) carried by the disc (10) and engaging the rails (26—29) so that when there is relative rotation between the disc (10) and the rim (11), the disc (10) and rim (11) are also

moved relative to one another in directions parallel to the rotary axis of the wheel as the brackets (16—19) move along the rails (26—29);

characterised in that each said bracket (16, 17, 18, 19) has a bifurcation engaging a said rail (26, 27, 28, 29) between the limbs (23 to 24) thereof, the bracket being provided with at least one bolt hole (40) and wherein each said rail is provided with a plurality of further bolt holes (33—39) and bolts (41) passing through the aligned said bolt hole (40) and further bolt holes (35—39) in the brackets (16—19) and the rails (26—29) to secure the rim (11) to the disc (10).

Compl. specn. 12 pages.

Drgs. 4 sheets

CLASS : 133 B.

166228

Int. Cl.⁴ : H 02 P 1/00, 3/00.

"AN IMPROVED THREE PHASE MOTOR STARTER WITH INBUILT SINGLE PHASE PREVENTOR".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : R.N. ROY.

Application for Patent No. 462/Del/86 filed on 7th May, 1986.

Complete Specification left on date 20th January, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch New Delhi-110 005.

2 Claims

An improved three phase motor starter with an inbuilt single phase preventer comprising :

a contactor (1) having at least four N-O- contact points activated by a no volt magnetic coil;

one terminal of the magnetic coil being connected to the phase B of the main supply, through a STOP/RESET push button (3) and STRAT. PUSH button (2) the other terminal being connected to the phase R of the main supply directly characterised in that a relay (5) being incorporated across the said no volt magnetic coil of the starter;

the relay having one normally open contact point, one end of the contact being connecting in series with Y phase of the Main Supply;

the other end being connected to the said no volt magnetic coil.

Provisional Specification 4 pages.

Drgs. 3 sheets

Compl. specn. 6 pages.

Drgs. 3 sheets

CLASS : 94 H.

166229

Int. Cl.⁴ B 02 C 4/42.

"APPARATUS FOR TWO-STAGE CRUSHING OF BRITTLE MATERIAL".

Applicant : KRUPP POLYSIUS AG., OF GRAF-GALENSTRASSE 17, D-4700 BECKUM, WEST GERMANY, A WEST GERMAN COMPANY.

Inventor(s) : TYARK ALLERS & GOTTHARDT BLAS-CZYK.

Application for Patent No. 468/Del/86 filed on 28th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110 005.

2 Claims

Apparatus for the two stage crushing of brittle material such as cement clinker, blast furnace slag, pre-crushed ores, said apparatus comprising :

- (a) a first roll mill (1) comprising a conveyor-type weigher (5) for supply of fresh material to said mill and a delivery shaft (6) which has a measuring device (22) monitor the filling level;
- (b) a second mill (2) connected to said first roll mill (1), by a conveyor (10);
- (c) at least one sifter (3) connected to said second for separating the material discharged from the second mill into finished material and grit (13);
- (d) means (14, 15, 16) interconnected between the sifter and the mills for returning the grit (13) from the sifter (3) to the mills (1, 2);
- (e) a first control circuit located between the said means for returning the grit and a weigher (5), said circuit comprising a regulator (17) which regulates by means of the weigher the quantity of fresh material (20) as a function of the quantity of grit (13) returned in such a way that the sum of the quantities of fresh material and grit remains constant, characterised in that;
- (f) If simple unregulated drive means (25, 26) are provided to drive the rolls (7, 8) of the roll mill each at a constant speed;
- (g) a distributor (14) being provided between the sifter and the delivery shaft, by means of which adjustable proportions of the grit (13) coming from the sifter (3) are delivered to the roll mill (1) and to the subsequent second mill (2); and
- (h) a second control circuit located between the distributor (14) and the measuring device (22), said circuit comprising a regulator (21) which by means of the distributor (14) controls the proportion of the grit (13) delivered to the roll mill (1) to maintain a constant filling level in the delivery shaft (6) of the roll mill (1) irrespective of the fluctuation in the quantity of fresh material.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 20 B.

166230

Int. Cl.⁴ : B41 J 5/00, 27/00 & 27/12.

"AN INK RIBBON CARTRIDGE FOR A PRINTER".

Applicant : PRIMAGES, INC., OF 151 TRADE ZONE DRIVE, RONKONKOMA, NY 11779, U.S.A., A CORPORATION OF NEW YORK, U.S.A.

Inventor : KENNETH KRESS.

Application for Patent No. 479/Del/86 filed on 30th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

An ink ribbon cartridge (1) for a printer comprising :

a storage reel (6) for an ink ribbon (5);

a take-up reel (7) for the ink ribbon, means (8, 9, 12) for

longitudinally advancing the ink ribbon (5) from the storage reel (6) to the take up reel (7) for effecting a printing operation with the ribbon at a printing station (4); and

means (30) supported by the cartridge for transversing displacing the ribbon during its longitudinal advance to offset the area of the ribbon utilized in printing.

Compl. specn. 12 pages.

Drgs. 2 sheets

Int. Cl.⁴ : F 41 C 15/00.

166231

AN IMPROVED SEMI-AUTOMATIC PISTOL.

Applicant : STURM, RUGER & COMPANY, INC., OF LACY PLACE, SOUTHPORT, CONNECTICUT, U.S.A., A COMPANY INCORPORATED IN THE STATE OF DELAWARE, U.S.A.

Inventors : (1) WILLIAM BATTERMAN RUGER, (2) LAWRENCE LEONARD LARSON.

Application No. 749/Mas/85 filed September 25, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

In a semi-automatic pistol having frame, a reciprocating slide, a magazine, a cartridge ejector port, a firing pin mounted in the slide, a rotatable firing pin blocking piece mounted on the frame, the improvement comprising :

(a) an elongated cartridge ejector means provided with a base portion pivotably mounted on the frame and a stem portion extendable into the cartridge ejection port;

(b) positioning means on the frame and on the ejector base portion for holding the ejector means in two distinct positions; a first position in which the stem portion is positioned in the cartridge ejection port for ejecting cartridges during operation of the pistol and a second position; and

(c) extension means on the ejector means for engagement with the firing pin blocking piece to cause the block-

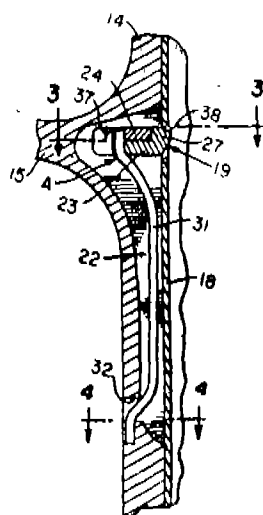
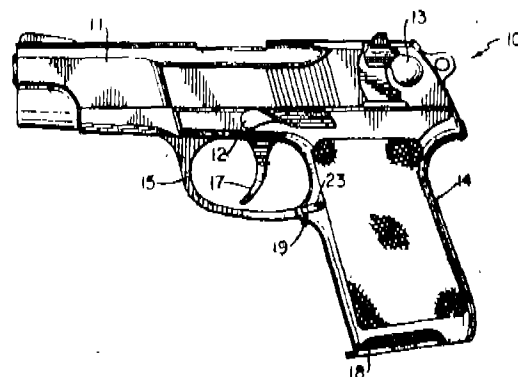
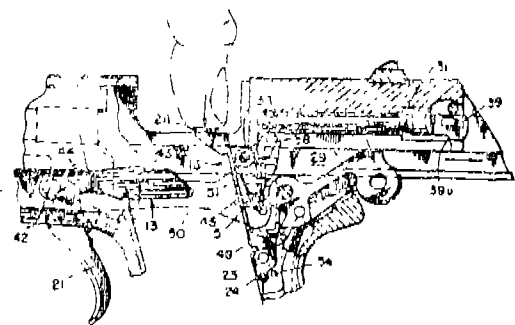
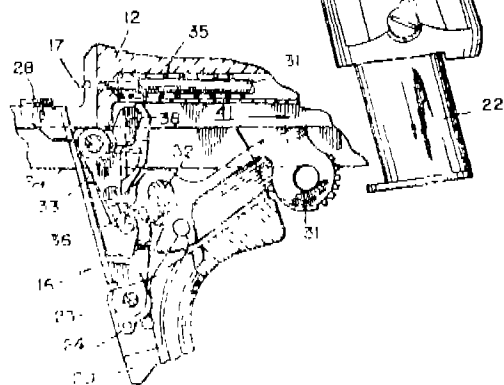
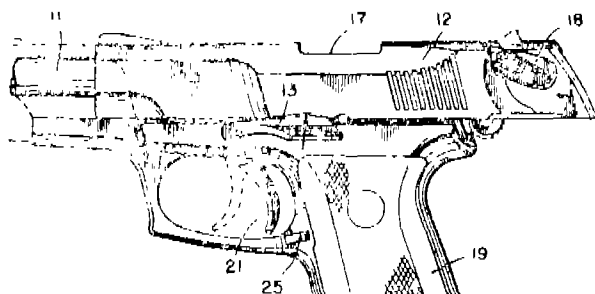
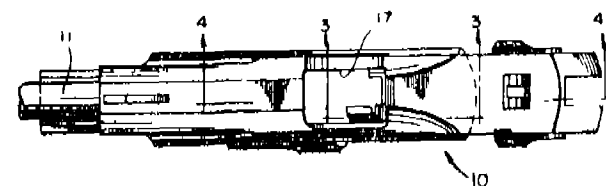
ing piece to rotate to unblock the firing pin when the ejector means is moved to such second position.

8 Claims

A pistol having a frame portion extending along an edge of the handle, a magazine on one side of the frame portion, an opening in the magazine, a latch extending into the opening in the magazine characterised in that a magazine latch operating arrangement is provided which is having a latch position and an unlatch position comprising :

- (a) a planar surface area on the frame portion;
- (b) a hand operable cross lever positioned against the planar surface, the lever having a central area and ends, and the lever ends protruding on each of the frame beyond the edges of the pistol handle;
- (c) a recess in the central area of the cross lever;
- (d) resilient means in the recess for urging the lever to its latch position; and
- (e) latch means carried by the lever extending into the magazine opening;

whereby movement of either lever end causes the lever to move as the resilient means yields to movement by the lever and its latch means to move out of the opening in the magazine thus releasing the magazine for removal from the pistol handle.



Complete Specn. 12 Pages.

Drawings 8 sheets

Compl. specn. 11 pages.

Drg. 3 sheets

Int. CLASS⁴: F41c 25/00

166232

A PISTOL WITH A NOVEL MAGAZINE LATCH OPERATING ARRANGEMENT.

Applicant : STURM, RUGER & COMPANY, INC., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF LACEY PALACE, SOUTHPORT, CONNECTICUT, U.S.A.

Inventors : (1) WILLIAM BATTERMAN RUGER, (2) LAWRENCE LEONARD LARSON.

Application No. 750/Mas/85 filed September 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4-527G1/89

Int. CLASS⁴: F 41 C 17/04

166233

AN IMPROVED SEMI-AUTOMATIC PISTOL.

Applicant : STURM, RUGER & COMPANY, INC., A COMPANY INCORPORATED UNDER THE LAWS

OF STATE OF DELAWARE, U.S.A., OF LACEY PLACE, SOUTHPORT, CONNECTICUT, U.S.A.

Inventors : (1) WILLIAM BATTERMAN RUGER, (2) ROY LOUIS MELCHER.

Application No. 751/Mas/85 filed September 25, 1985.

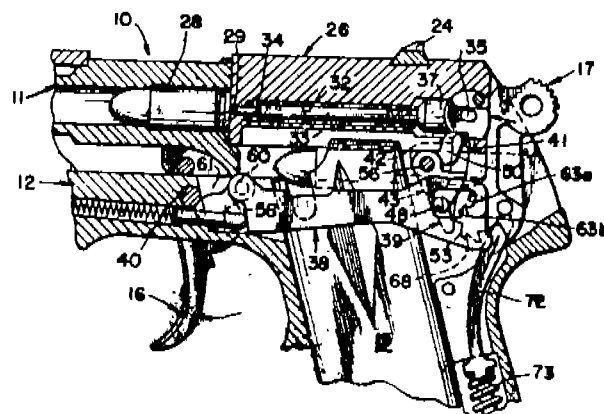
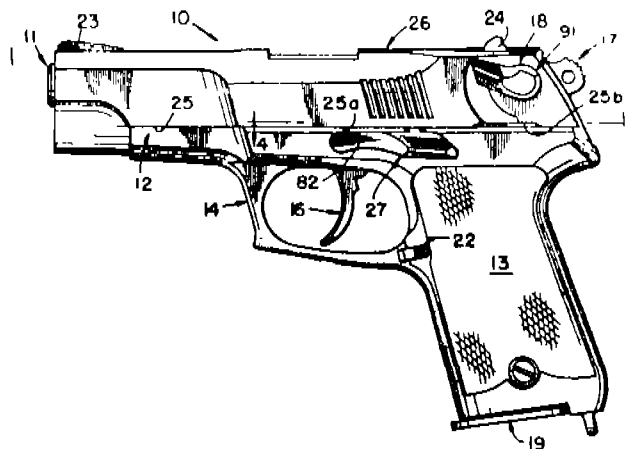
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

An improved semi-automatic pistol having a reciprocating slide with a firing pin therein, a trigger, a trigger bar, a sear, and a hammer, the improvement comprising :

- (A) a pivotable firing pin blocking means mounted on the frame, the blocking means having :
 - (i) an upper finger means for blocking the firing pin;
 - (ii) a lower trigger-bar-engageable projection lug positioned in and at times engageable with the trigger bar;
- (B) a trigger bar having a forward end portion and a rearward end portion :
 - (i) the forward end portion pivotable about the trigger;
 - (ii) the rearward end portion having :
 - (a) a configured opening therein for receiving said blocking means projection lug;
 - (b) a hammer engageable extension; and
 - (c) a surface engageable with a surface on the slide;
- (C) a sear mounted adjacent the blocking means and engageable with the hammer when the hammer is lowered; such sear caused to rotate by rotation of the blocking means;
- (D) configured surface on the slide in engagement with the upper surface of the trigger bar to permit the rearward end portion of trigger bar to :
 - (i) raise when the slide is forward; and
 - (ii) to lower when the slide is rearward; the trigger bar, trigger bar opening and blocking means projection lug being proportioned so that :
 - (a) when the hammer is in its at-rest position, the blocking means lug and trigger bar are not operably engaged permitting the firing pin to remain blocked;
 - (b) when initially pulled back, the trigger causes the hammer to rotate back through engagement of the trigger bar extension and hammer;
 - (c) when further pulled, the trigger moves the trigger bar and the bar opening forward engaging the blocking piece lug to rotate the blocking piece and unblock the pin;
 - (d) thereafter as further pulled, the trigger causes further forward movement of the trigger bar releasing the hammer which fires the pistol; and
 - (e) when the trigger is held in its pulled position, the trigger bar and lug remain

disengaged during the cycling of the reciprocating slide.



Compl. specn. 17 pages

Drg. 9 sheets

Int. CLASS⁴ : 41 C 19/00.

166234

AN IMPROVED HANDGUN.

Applicant : STURM, RUGER & COMPANY, INC., OF LACEY PLACE, SOUTHPORT, CONNECTICUT, U.S.A., A COMPANY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventor : WILLIAM BATTERMAN RUGER.

Application No. 752/Mas/85 filed September 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

An improved handgun having a frame, a trigger pivotally mounted on the frame, and a detachable trigger guard mounted on the frame, the improvement comprising :

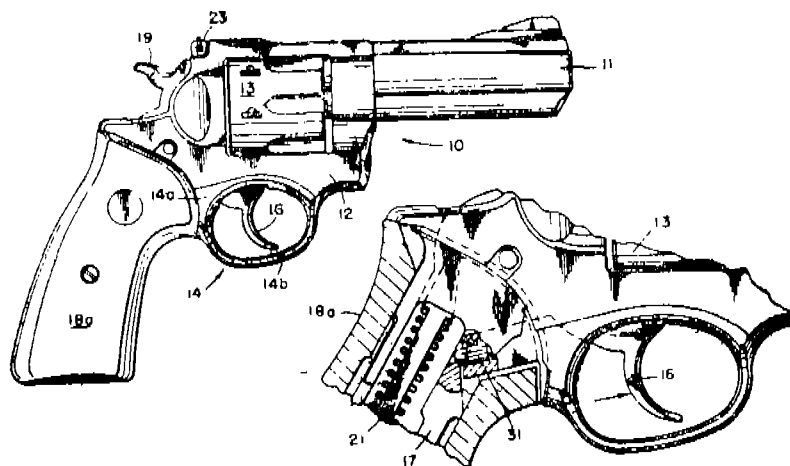
- (a) first latch means for engaging a forward portion of trigger guard to the frame;
- (b) second latch means for engaging a rearward portion of the trigger guard to the frame including a latch-receiving process in the frame; the second
 - (a) strut means pivotally mounted on trigger;
 - (b) spring means on the trigger guard urging the strut means forward to place the trigger in a biased-forward position; and

(c) releasable latch means on the trigger guard which latch means is urged into the said latch-receiving recess in the frame by said spring means;

(d) trigger pivot means about which the trigger rotates as the trigger moves rearwardly carrying the strut means to compress the spring

means to in turn increase the forces with which the detachable trigger guard is held in the frame;

whereby said spring means simultaneously biases the trigger and the releasable latch means and whereby the pulling of the trigger in a rearward direction increases the biasing force on the releasable latch means.



Compl. specn. 11 pages

Drg. 5 sheets

Int. CLASS⁴ : F 41 C 23/00

166235

A HANDGUN HAVING A NOVEL HANDLE.

Applicant : STURM, RUGER & COMPANY, INC.,
A COMPANY INCORPORATED UNDER THE STATE
OF DELAWARE, OF LACEY PLACE, SOUTHPORT,
CONNECTICUT, U.S.A.

Inventor : WILLIAM BATTERMAN RUGER.

Application No. 753/Mas/85 filed September 25, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

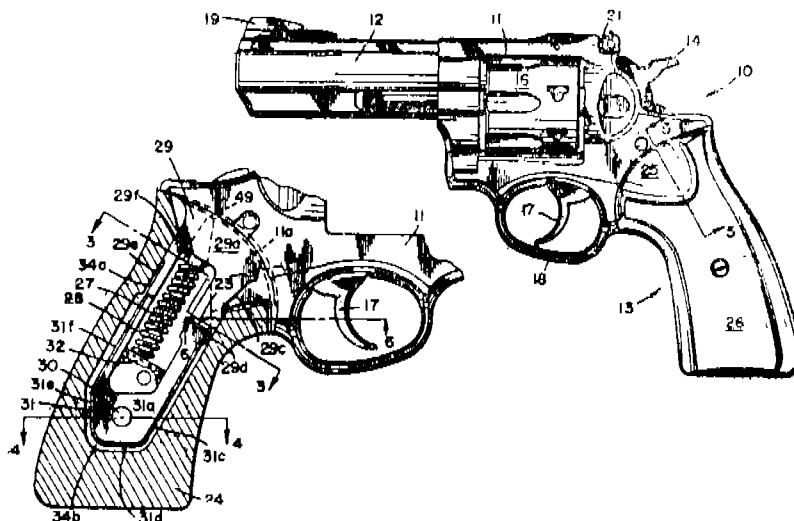
A handgun having a novel handle with a grip frame projection for receiving grip panels characterised in that the handle comprises :

(a) a grip frame projection having a size and shape to accommodate large and small grip panels; said grip frame projection having a plurality of projection engagement areas and a plurality of projection non-engagement surfaces;

(b) a grip panel positioned on each side of the grip frame projection, each said panel having a plurality of panel engagement areas positioned to engage the projection engagement areas and a plurality of panel non-engagement areas positioned to be spaced-apart from the projection non-engagement areas; and

(c) fastener means for drawing the panels against the grip frame projection;

such that the panel and projection engagement areas engage while leaving the non-engagement surfaces.



Compl. specn. 10 pages

Drg. 4 sheets

Int. CLASS⁴ : B 29 D 9/00; B 32 B 25/00

166236

A METHOD OF PRODUCING CONVEYOR BELTS FROM RUBBER OR RUBBER-LIKE PLASTICS MATERIAL.

Applicant : CONTINENTAL GUMMI-WERKE AKTIENGESELLSCHAFT, OF KONIGSWORTHER PLATZ 1, 3000 HANNOVER, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HANS SPECHT, (2) WALTER KASE.

Application No. 847/Mas/85 filed October 25, 1985.

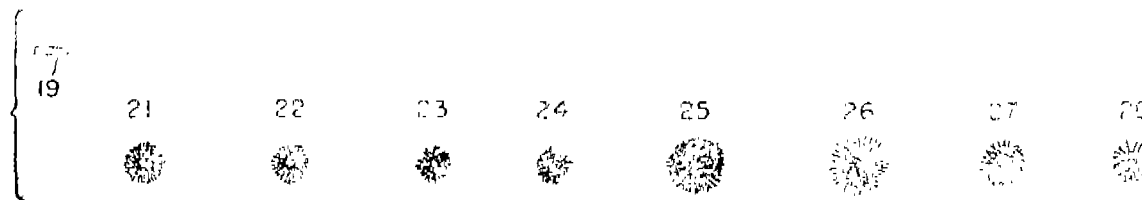
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A method of producing conveyor belts which comprises coating in a known manner wire-like reinforcing members with rubber or rubber-like plastics material and subjecting the coated reinforcing members to vulcanisation, under tensile stress applied by means of a plurality of tensioning cylinders operated by a pulsating pressure having a frequency of between 5Hz and 20 Hz.

Compl. specn. 7 pages

Drg. 1 sheet

Int. CLASS⁴ : D 02 g 3/34

166237

A METHOD AND DEVICE FOR PRODUCING AN ELECTROSTATICALLY FLOCKED FILAMENT OR YARN, AND A FLOCKED FILAMENT OR YARN.

Applicant : UNIROYAL ENGLEBERT TEXTILCORD S.A. OF P.B. 11, L-8401 STEINFORT, LUXEMBOURG; INCORPORATED IN LUXEMBOURG.

Inventor : ROBERT LEON GOERENS.

Application No. 854/Mas/85 filed October 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims

A method for producing an electrostatically flocked, filamentary or yarn-like material, wherein earthed base or carrier-filaments (19), which are provided with a known adhesive, are conducted through an electrostatic field (14) of high voltage and are flocked all-over with previously-treated short fibres which have been conducted thereto relative to the carrier-filament surface, wherein during the course of production the flocked filament or yarn (30), pre-selected carrier-filament lengths (2911, 2912) are unevenly flocked in an irregular sequence as herein described with flock material (20) of different flock patterns (21-28).

Compl. specn. 15 pages

Drg. 1 sheet

Int. CLASS⁴ : F 116 H 39/00

166238

A FLUID OPERATED OSCILLATING PISTON MOTOR.

Applicant : FESTO KG, A GERMAN COMPANY, OF RUITER STRASSE 82, 7300 ESSLINGEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) KURT STOLL, (2) GEORG HEID, (3) ALBRECHT WAGNER, (4) GERHARD SCHRAG.

Application No. 938/Mas/85 filed November 20, 1985.

Convention date 3rd October, 1985; No. 8524462, U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

37 Claims

A fluid operated oscillating piston motor comprising :

a housing defining a receptacle space;

a shaft rotatably mounted to said housing and extending in said receptacle space;

an oscillating piston fixed to said shaft for rotation therewith and movable in said receptacle space;

said piston having first and second arms which are engageable respectively with first and second seal surfaces of said housing in said receptacle space to divide said receptacle space into two working spaces into which fluid is introduceable to rotate said oscillating piston and slide;

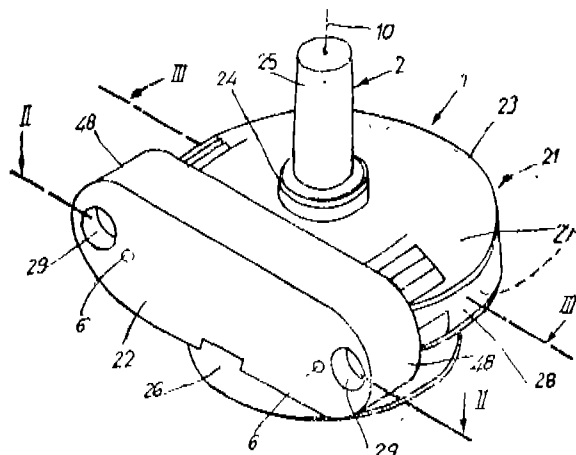
said first and second arms along contact tracks of said respective first and second seal surfaces;

said first arm comprising a hollow cylindrical bushing disposed around and fixed to said shaft and having a smaller radial dimension and smaller pressure area exposed to said working spaces than that of said second arm, said second arm comprising a lever arm extending radially from said shaft;

a shell seal engaged at least partly around an external periphery of said cylindrical bushing and being coaxial with said cylindrical bushing, said shell seal having portions in contact with said first slide surface;

a packing engaged at least partly around said lever arm and in contact with said second seal surface; and

stop means operatively connected to said housing and to said piston for permitting rotation of said piston through at least 180°.



Compl. specn. 34 pages

Drg. 4 sheets

Int. CLASS⁴ : C 08 L 77/06

166239

PROCESS FOR THE PREPARATION OF A THERMALLY STABILIZED POLYAMIDE COMPOSITION.

Applicant : STAMICARBON B.V. (LICENSING SUBSIDIARY OF DSM) OF MIJNWEIG 1, 6167 AC GELEEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventor : KAZUMASA CHIBA.

Application No. 957/Mas/85 filed November 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims. No drawing

A process for the preparation of a thermally stabilized polyamide composition, the polyamide containing at least 80 mole per cent tetramethylen adipamide, by melting the polyamide and adding 0.01 to 3 parts by weight of at least one compound selected from the groups of aminosilanes, epoxysilanes and vinylsilanes to 100 parts by weight of the polyamides.

Compl. specn. 12 pages.

Int. CLASS¹ : G 06 K 9/62

166240

AN ELECTRONIC CHARACTER RECOGNITION SYSTEM.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : (1) SHIN KATOH, (2) HIRONAO SONE AND (3) HIROYASU TAKAHASHI.

Application No. 963/Mas/85 filed November 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A character recognition system comprising :

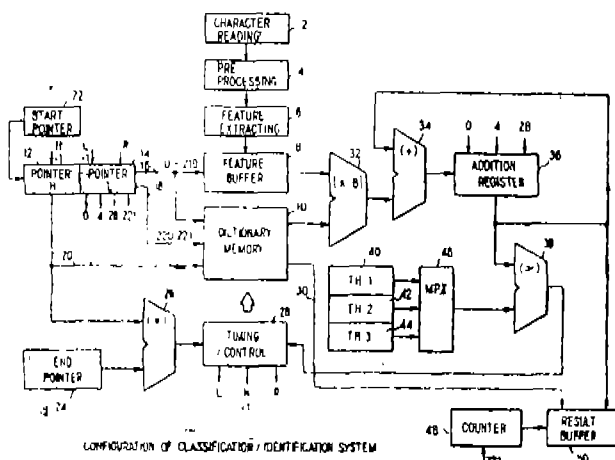
dictionary memory means for storing at least one type of feature including multidimensional feature components for each standard character;

feature memory means for storing feature components extracted from an input character to be recognized, and to be compared with feature components of the standard characters;

addressing means for reading sequentially the feature components stored in the feature memory means in the order of dimensions, and for reading sequentially the feature components of the corresponding dimensions for each standard character out of the dictionary memory means, first comparing means for comparing sequentially the feature components of the corresponding dimensions read out of the feature memory means and the dictionary memory means to generate comparison outputs indicating the degree of mismatch;

means for accumulating the comparison outputs for the same type of feature components;

threshold means for establishing a threshold for the type of feature components being compared in the first comparing means, second comparing means for comparing the output of the accumulating means with the threshold each time comparison output is accumulated, and control means responsive to the output of the second comparing means to cause the access of the addressing means to skip when the output of the accumulating means exceeds the threshold so as to make comparison with the next standard character in the dictionary memory means.



Complete specification 22 pages

Drg. 4 sheets

Ind. CLASS : 40 H

166241

Int. Cl.⁴ : B01D 53/02.

"A PROCESS FOR THE RECOVERY OF CARBON DIOXIDE FROM A GASEOUS MIXTURE".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : ANDREW MICHAEL HASLETT AND JOHN BRIAN HANSEN JOHNSON.

Application for Patent No. 846/Del/85 filed on 11th October, 1985.

Convention date 18th October, 1984/8426393/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A process for the recovery of carbon dioxide from a gaseous mixture consisting essentially of carbon dioxide, hydrogen, and

at least one medium boiling gas selected from nitrogen methane, argon, and carbon monoxide,

said gas mixture containing at least 10% by volume of hydrogen and less than 1% by volume of watervapour, said process comprising a pressure swing adsorption sequence wherein :

- (i) the gaseous mixture, at a pressure in the range 25 to 50 bar abs. and at a temperature in the range 120 to 200°C, is contacted with a first charge of a solid adsorbent, of the kind such as herein described, effective to adsorb carbon dioxide in preference to hydrogen and said medium boiling gas;
- (ii) when the first charge of adsorbent is sufficiently loaded with carbon dioxide, the mixture flow is switched to a further charge of said adsorbent which is fresh or regenerated; and
- (iii) a gas stream enriched in carbon dioxide as compared with the starting mixture is recovered by depressurising the first charge at a temperature in the range 120 to 200°C to a pressure below 10 bar abs.

Compl. specn. 21 pages

Drg. 1 sheet

Ind. Cl 40 H

166242

Int. Cl.⁴ : B01D 53/02

A PROCESS FOR THE PRODUCTION OF AMMONIA SYNTHESIS GAS.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC. A BRITISH COMPANY OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : ALWYN PINTO AND JOHN BRIAN HANSEN JOHNSON.

Application for Patent No. 848/Del/85 filed on 11th October, 1985.

Convention date 22nd October, 1984/8426665; 18th October, 1984/8426393; 20th November, 1984/8429317 and 21st December, 1984/8432487/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the production of ammonia synthesis gas from a shifted gas containing (a) hydrogen, (b) carbon dioxide, (c) nitrogen in an excess of the desired in the ammonia synthesis gas (d) carbon monoxide, but in an amount of not more than 1% v/v, (e) methane, and (f) argon; said process comprising :

- (A) subjecting the shifted gas to a first pressure swing adsorption system having a plurality of adsorbent beds each of which undergoes a pressure swing adsorption cycle effective to separate carbon dioxide, thereby producing a first unadsorbed product gas having a decreased carbon dioxide content, but a hydrogen : nitrogen molar ratio below that of the desired ammonia synthesis gas;
- (B) subjecting the first unadsorbed product gas to catalytic methanation to convert the carbon monoxide, and any residual carbon dioxide, in the first unadsorbed product gas to methane, thereby producing a methanated gas;
- (C) removing nitrogen from the methanated gas so to increase the hydrogen : nitrogen ratio so that of the desired ammonia synthesis gas by subjecting the methanated gas to a second pressure swing adsorption system having a plurality of adsorbent beds each of which undergoes a pressure swing adsorption cycle effective to separate the requisite amount of nitrogen from the methanated gas as a waste gas stream, thereby leaving as the unadsorbed gas the desired ammonia synthesis gas;

at least part of said waste gas stream from the second pressure swing adsorption system being fed back to the

first pressure swing adsorption system and being used therein as the gas employed for a sweeping, purging, and/or repressurisation operation therein.

Compl. specn. 34 pages

Drg. 10 sheets

Ind. CLASS : 206 E

166243

Int. Cl.⁴ : H 01 L 1/00.

BIPOLAR TRANSISTOR AND METHOD OF MANUFACTURING THE SAME.

Applicant : STC PLC., A BRITISH COMPANY, OF 190 STRAND, LONDON WC2R 1 DU, ENGLAND.

Inventors : PETER DENIS SCOVELL, PETER FRED BLOMLEY, ROGER LESLIE BAKER & GARY JOHN TOMKINS.

Application for Patent No. 119/Del/86 filed on 12th February, 1986.

Convention date March 23, 1985/8507602/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

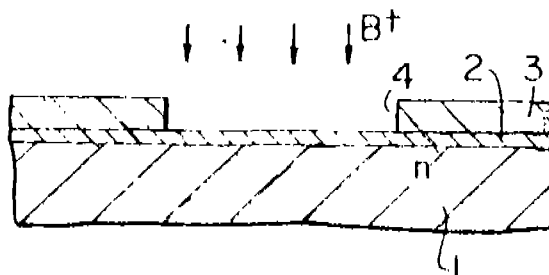
12 Claims

A bipolar transistor comprising :

a semi-conductor substrate (1) providing a collector region (13);

a base region (5) disposed in a surface region (2) of the substrate, a polycrystalline silicon emitter mesa (7) in contact with the base region, an oxide layer (8) extending over the substrate surface and the top and at least one sidewall of the emitter mesa, and a base contact (12) to the base region, which base contact comprises an ion implant below said oxide layer;

said implant being aligned with the side wall of the emitter mesa and a photoresist on said substrate forming with said oxide layer a base contact implantation mask.



Compl. specn. 9 pages

Drg. 1 sheet

Ind. CLASS : 53 A

166244

Int. Cl.⁴ : B62J 39/00.

AN IMPROVED RACING CYCLE.

Applicant(s) : ATLAS CYCLE INDUSTRIES LIMITED SONEPAT & ARUN KAPUR, A PUBLIC LIMITED COMPANY INCORPORATED UNDER THE INDIAN COMPANY ACT, AND HAVING ITS REGISTERED OFFICE AT SONEPAT, HARYANA, INDIA AND ARUN KAPUR, AN INDIAN NATIONAL OF 3-AURANGAZEB LANE, NEW DELHI, INDIA.

Inventor : ARUN KAPUR.

Application for Patent No. 122/Del/86 filed on 13th February, 1986.

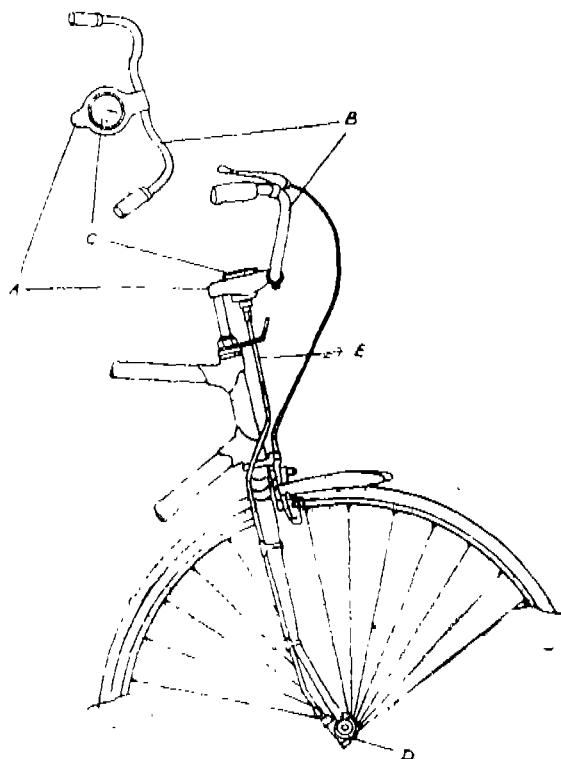
Complete specification left on 10th June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved racing cycle having a handle lug for securing a speedometer (c) thereto which handle lug (A) comprises :

- a body substantially cylindrical at its middle portion in which a speedometer is to be housed and fitted in position;
- said body having an upwardly extending member (a1) which is bent downwardly around and fixed secure to the handle bar of the cycle;
- the said body further having a second member (a2) downwardly extending therefrom;
- the sides of the said body and said members being bent downwardly substantially at right angles to the upper surface of the body to form a flange for strengthening the body; and
- a tubular member fixed to the underside of the second member by which the handle lug can be fixed to the frame of the cycle on the front side thereof.



Provisional specification 3 pages.

Compl. specn. 7 pages

Drg. 1 sheet

Ind. CLASS : 152 D

166245

Int. Cl.⁴ : C08L 23/18 H01B 3/30 & 3/48.

COMPOSITIONS BASED ON LIQUID POLYBUTENE AND HYDROCARBON WAXES AND INTENDED MAINLY FOR THE PRODUCTION OF WATER PROOF AND GAS-TIGHT CABLES AND PROCESS FOR THE PREPARATION THEREOF.

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W 0SU, ENGLAND.

Inventors : BERNARD BERRIER & CLAUDE CIARDI.

Application for Patent No. 207/Del/86 filed on 6th March, 1986.

Convention date April 25, 1985/8510550/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A composition based on liquid polybutene and microcrystalline hydrocarbon waxes of the kind such as herein described and intended mainly for the production of water proof and gas tight cables, characterised in that said composition comprises :

- (a) from 85 to 96 parts by weight of liquid polybutene having a mean molecular mass by number of between 550 and 3000;
- (b) from 4 to 15 parts by weight of at least one microcrystalline hydrocarbon wax with a low dielectric loss having a mean molecular mass by number comprised between 650 and 2500 and a melting point determined by differential enthalpy analysis of between 80 and 150°C.

Complete specification 19 pages.

Int. Class : 94G & 116BD

166246

Int. Cl.⁴ : B65G 65/00.

"A CRUSHING SYSTEM FOR CHARGING AT LEAST ONE TOP-LOADING CRUSHER".

Applicant : O & K ORENSTEIN & KOPPEL AKTIEN-GESELLSCHAFT, A GERMAN COMPANY, OF 1000 BERLIN 20, BRUSBUTTERLER DAMM 144-208, WEST GERMANY.

Inventor(s) : BERND KIRCHHOFF & HERMANN MECKLENFELD.

Application for Patent No. 466/Del/86 filed on 27th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A crushing system for charging at least one top-loading crusher (1) with charge material delivered batchwise by a plurality of transport vehicles (2), the charge material being fed to the crusher by a bucket which is loaded in each case by a least one said transport vehicle in a receiving position which is in the plane of movement of the transport vehicle, said bucket being raised to a transfer position in which the bucket is tipped in order to discharge it into the crusher, the comminuted material being withdrawn from the crusher by means of a conveyance device (3), characterised by the fact that the crusher (1) is carried by a transportable supporting framework (4) said transportable supporting framework being provided with at least two buckets (5) acting as intermediate bunkers which can be raised and lowered in order to produce a continuous feeding of material for the crusher (1), said buckets feeding the charge material to a receiving hooper (7) which serves as further intermediate bunker and is located in front of the crusher (1) as seen in the direction of flow of the material.

Complete Specn. 13 pages

Drg. 5 sheets.

Ind. CLASS : 24 A

166247

Int. Cl.⁴ : B62L 3/02, 3/04.

"BRAKING DEVICE FOR TWO-WHEELERS".

Applicant : PIAGGIO & C. S.p.A., A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC OF VIA ANTONIO CECCHI, 6-16129, GENEVA, ITALY.

Inventor(s) : MARCO NUTI.

Application for Patent No. 492/Del/86 filed on 3rd June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

Braking device for two-wheelers comprising one unit (10) for the front wheel braking and one unit (6) for the rear wheel braking, means (1, 11) for the actuation of said braking units (10, 6), devices (4, 8) for transmission of the actuating force from said actuation (1, 11) means to said braking units, characterized in that said transmission devices comprise a first transmission device (4 & 8) comprising at least a wire resistant to tensile stresses linked through rocker transmission element to both of the braking unit (10) of the front wheel and to the braking unit (6) of the rear wheel, and linked to one of the said actuation means (1), said transmission devices furthermore comprising a second transmission device (14) comprising a wire resistant to tensile stresses linked to one (10) only of the said two braking units (10), and linked to another one of said actuation means (14).

Complete Specn. 11 pages

Drg. 1 sheet.

Ind. CLASS : 195 G.

166248

Int. Cl.⁴ : F16K 41/00.

"A TAPERED PLUG VALVE HAVING AN IMPROVED STEM SEAL".

Applicant : ROCKWELL INTERNATIONAL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 600 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15219, UNITED STATES OF AMERICA.

Inventor(s) : ELEMER FREDERICK SCHOENEWEIS, WILLIAM DONN DUFFEY.

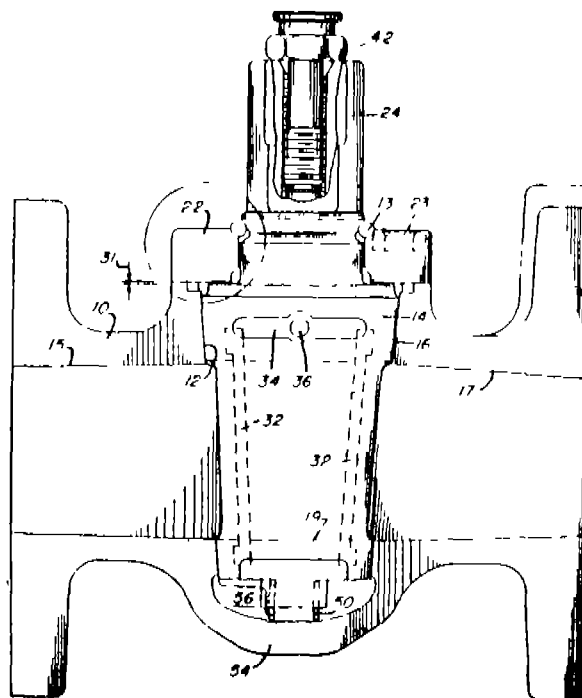
Application for Patent No. 694/Del/86 filed on 30th July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A tapered plug valve having an improved stem seal, comprising a body (10) enclosing a chamber bounded by a tapered bore (12, such tapered plug (14) to be received in said bore (12) and having a stem (24) integrally formed on and extending from the large end of said plug, a cover (22) on said body closing the large end of said chamber and having an opening through which said stem (24) projects, a clearance (31) between said cover (22) and the large end of said plug, an annular space between said cover, said stem and a portion of the large end of said plug, said annular space being in communication with said clearance (31), a seal ring of deformable which substantially fills said annular space, a portion of said ring being deformed

into said clearance and into sealing engagement with said cover, said stem and the large end of said plug.



Complete Specn. 11 pages

Drg. 2 sheets

Ind. CLASS : 160 D.

166249

Int. Cl.⁴ : B 62 K 25/00.

"A SUSPENSION MECHANISM, PARTICULARLY SUITABLE FOR SUSPENSIONS FOR VEHICLES".

Applicant : INTERNATIONAL BICYCLE CORPORATION, A LEGAL BODY ORGANISED AND EXISTING UNDER THE LAWS OF THE BRITISH VIRGIN ISLANDS OF P.O. BOX 71, CHAIGMUIR CHAMBERS, ROAD TOWN, TORTOLA, BRITISH VIRGIN ISLANDS.

Inventor : ABEL OLWAGEN COETZEE.

Application for Patent No. 793/Del/86 filed on 5th September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

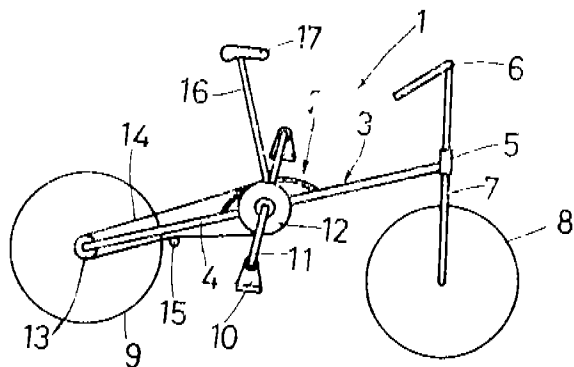
10 Claims

A suspension mechanism, (2) particularly suitable for suspensions for vehicles, including a hub (20) comprising :

outer (27), middle (24) and inner co-axial members (15) which are relatively rotatable within predetermined limits;

two substantially oppositely directed support arms (3, 4) and a centrally located load (1) bearing member (16) extending from the members to be rotatable with respect to each other transversely to the axis of the hub; and

biasing means extending between each support arm and the load bearing member to bias the support arms to support the load bearing member in use.



Compl. specn. 18 pages.

Drgs. 3 sheets

Ind. CLASS : 32 F 3 (d) IX (1).

166250

Int. Cl.⁴ : C 07 C 49/00.

"A PROCESS FOR THE PREPARATION OF 2, 2' DISUBSTITUTED OR UNSUBSTITUTED 5, 5' DIBENZIMIDAZOLYL KETONES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

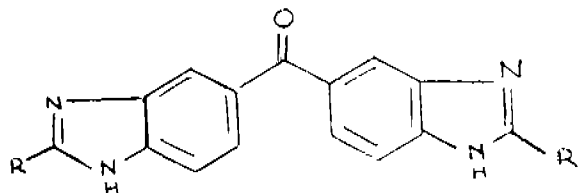
Inventors(s) : SYED ABUSR, SATYAVAN SHARMA, AMALENDU DUTTA, MISS NIGAR FATIMA, SHIVE RAM, PRODEEP KUMAR SINGH VISEN, SUMAN GUPTA, RANJIT KUMAR CHATTERJEE, JAGDISH CHANDRA KATIYAR & AMIYA BHUSHAN SEN.

Application for Patent No. 1146/Del/86 filed on 26th December, 1986.

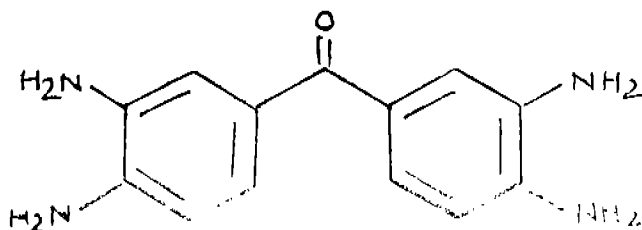
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Branch, New Delhi-5.

3 Claims

A process for the preparation of pharmaceutically active 2, 2' disubstituted or unsubstituted -5, 5'-dibenzimidazolyl ketones of the formula II shown in the drawings accompanying



this specification where R is H, alkyl or trifluoromethyl which comprises condensing 4, 4'-diamino benzo ketone of the formula I with an aliphatic acid of the general formula R-COOH



5-527 GI/89

where R has the meaning give above.

Compl. specn. 5 pages.

Drg. 1 sheet

Ind. CLASS : 39 C (III).

166251

Int. Cl.⁴ : C01B 3/50

"A PROCESS FOR PRODUCING A PURIFIED AMMONIA SYNTHESIS GAS".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor : ALWYN PINTO.

Application for Patent No. 152/Del/86 filed on 24 February, 1986.

Convention Date March 8, 1985/8506011, November 22, 1985/8528854/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1973), Patent Office Branch, New Delhi-5.

7 Claims

A process for producing a purified ammonia synthesis gas from a raw gas containing hydrogen, carbon dioxide, Carbon monoxide in an amount of less than 1% by volume on a dry basis and nitrogen in excess of that required in the ammonia synthesis gas comprising :

removing carbon dioxide from the raw gas stream in a wet carbon dioxide removal stage by subjecting said raw gas stream to one or more absorption steps, wherein carbon dioxide is absorbed from the raw gas into a conventional absorbent liquid to give a carbon dioxide-loaded absorbent liquid which is then passed to one or more regeneration steps wherein absorbed carbon dioxide is separated from the carbon dioxide-loaded absorbent liquid thereby regeneration said absorbent liquid which is returned to the absorption step or steps, characterised by :

removing the excess of nitrogen, and the bulk of any residual carbon dioxide, by subjecting the gas stream to a pressure swing adsorption; and

subjecting it to methanation, before or after the pressure swing adsorption, to convert any remaining carbon dioxide to methane, to produce the required ammonia synthesis gas stream and waste gas from the pressure swing adsorption stage; and

wherein, in at least one of said one or more regeneration steps, the carbon dioxide-loaded absorbent liquid is contacted with at least part of said waste gas so that the latter strips carbon dioxide from said carbon dioxide-loaded absorbent liquid to give the regenerated absorbent liquid.

Compl. specn. 25 pages.

Drg. 1 sheet

166252

Ind CLASS : 25D.

Int. Cl.⁴ E 04C 2/2.

"A METHOD FOR PRODUCING A FLOCCED MINERAL SUBSTANCE THEREFOR".

Applicant : ARMSTRONG WORLD INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, U.S.A., OF P.O. BOX 3001, LENCASER, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : THOMAS MICHAEL TYMON.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A method of preparing a flocced mineral substance that can be utilized to form a non-asbestos high temperature article that exhibits water resistance, which method comprises contacting a swelled layered silicate gel that has an average charge per structural unit that ranges from -4 to -1 and which contains exchangeable interstitial ions with at least one species of multiamine derived cations to thereby effect an ion exchange reaction between at least some of the exchangeable interstitial ions and at least some of the multiamine derived cations.

Compl. specn. 19 pages.

CLASS : 119 B. 166253

Int. Cl.⁴ : D 03 D 3/00.

"APPARATUS FOR ACTUATING PREDETERMINED PATTERNS OF PINS IN A JACQUARD MECHANISM OF A TEXTILE MACHINE".

Applicant : WILCOM PROPRIETARY LIMITED, A COMPANY INCORPORATED IN THE STATE OF NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA OF 126 CLEVELAND STREET, CHIPPENDALE, NEW SOUTH WALES, AUSTRALIA.

Inventor(s) : ROBERT GARBOR PONGRASS, MARK ALEXANDER BUCHEN.

Application for Patent No. 349/Del/86 filed on 18 April, 1986.

Convention Date April 19, 1985/PH 02027/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi 110 005.

8 Claims

Apparatus for actuating predetermined patterns of pins in a jacquard mechanism of a textile machine, said apparatus comprising :

at least one disk located on a shaft parallel to the axis of the pins such that the face of the disk is adjacent the ends of the pins;

rotation means operatable by control means to rotate the disk about the axis of the shaft to a desired orientation; the face of the disk being provided with holes arranged in predetermined locations; and

an actuator arranged to axially advance and retract the or each disk relative to the pins; into and out of contact with the ends of the pins such that predetermined pins are axially depressed by the face of the disk and other pins align with holes in the disk and are not depressed.

Compl. specn. 11 pages.

Drgs. 2 sheets

CLASS : 70 B. 166254

Int. Cl.⁴ : G 01 N 27/00.

"METHOD OF MAKING CHEMICALLY MODIFIED IODIDE ION SELECTIVE ELECTRODE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : GOLLAKOTA PRABHAKARA RAO, SAMBAMOORTHY JAYA AND TALASIA PRASAD RAO.

Application for Patent No. 428/Del/86 filed on 14th May, 1986.

Complete specification left on 29th July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A method of making chemically modified iodide ion selective electrode which comprises, embedding silver wire or disc in terflon rod, obtaining a uniform coating for the exposed portion of the disc with silver iodide by dipping the rod or the disc in a solution containing iodine dissolved in potassium iodide and providing an electrical contact therefor.

Provisional Specification 4 pages.

Compl. specn. 6 pages.

CLASS : 32F.

166255

Int. Cl.⁴ : C 07 D 489/00.

A PROCESS FOR THE PREPARATION OF N-DEMETHYL-MORPHINANE DERIVATIVES.

Applicant : ALKALOIDA VEGYESZETI GYAR, OF 29, KABAY, JANOS U., TISZAVASVARI, HUNGARY, HUNGARIAN COMPANY.

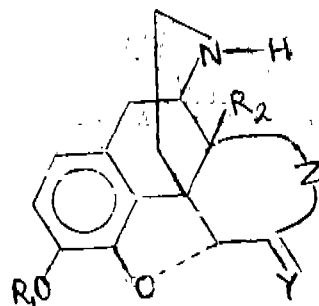
Inventors : SANDOR HOSZTAFI, TIMAR TIBOR, JULIANNA NAGY NEE VAJDA AND ILONA FABIAN NEE ORBAN.

Application for Patent No. 476/Del/85 filed on 14th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005

6 Claims

A process for the preparation of N-demethyl-morphinane derivative general formula III.



of the accompanying drawings wherein :

Z represents CH_2 , CH_2 or $\text{CH}=\text{CH}$;

Y is an oxygen atom or group R_3 and R_4 wherein R_3 means a hydrogen atom, a hydroxyl group, a C_{1-8} acyloxy or benzoyl-oxy group; its steric position is 4.

R_4 means a hydrogen, halogen atom, a hydroxyl group, a C_{1-8} acyloxy, benzoyl or azido group, its steric position is B.

R_2 stands for a hydrogen atom, a C_{1-8} acyloxy or benzoyl-oxy group,

R_1 is a hydrogen atom, a C_{1-5} alkyl group, aryl or aralkyl group, a C_{1-3} acyl group, benzoyl group,

with the proviso that

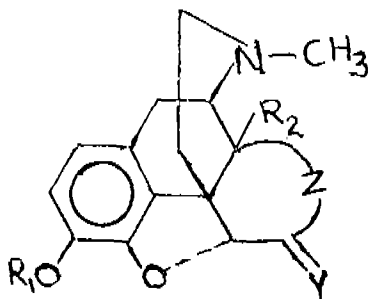
if R_2 is a hydrogen atom, hydroxyl group, acyloxy or benzoyl-oxy group,

R_4 stands for a hydrogen atom or an alkyl group, and

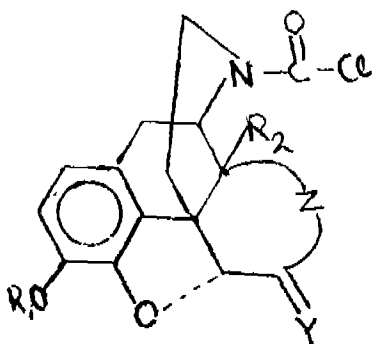
if R_4 represents a hydrogen atom, halogen atom, hydroxyl group,

acyloxy, benzoyl-oxy or azido group,

R_8 is a hydrogen atom,
starting from morphinane alkaloids of general formula I



wherein Z, Y, R_1 and R_2 are as defined above, said method comprising the steps of reacting morphinane-alkaloids of general formula I of the drawings wherein Z, Y, R_1 , R_2 , R_3 and R_4 are as defined above, with phosgene or diphosgene in an aprotic solvent of the kind as herein defined at a temperature of 0 to 120° in the presence of alkali carbonates/alkali hydrocarbonates to produce N-chlorocarbonyl-N-demethyl derivatives of general formula II.



of the drawings wherein Z, Y, R_1 , R_2 , R_3 and R_4 are as defined above, then heating the formed derivatives of general formula II with water of dilute hydrochloric acid to produce N demethyl morphinane derivatives of general formula III of the drawings.

Compl. specn. 22 pages.

Drg. 1 sheet

CLASS : 154 D.

166256

Int. Cl.⁴ : B 41 F 5/00.

"APPARATUS FOR THE ACCURATE METERING AND UNIFORM DISTRIBUTION OF A LIQUID FILM ON A ROTATING CYLINDER IN A PRINTING MACHINE".

Applicant : MASCHINENFABRIK WIFAG, OF WYLE-RINGSTRASSE 39, CH-3001 BERN, POST BOX 2750, SWITZERLAND, A SWISS COMPANY.

Inventor(s) : PETER GERTSCH, ROBERT IMHOF & FANZ SCHNEIDER.
Application for Patent No. 561/Del/86 filed on 26th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

12 Claims

An apparatus for the accurate metering and uniform distribution of a liquid film on a rotating cylinder in a printing machine, the apparatus comprising :

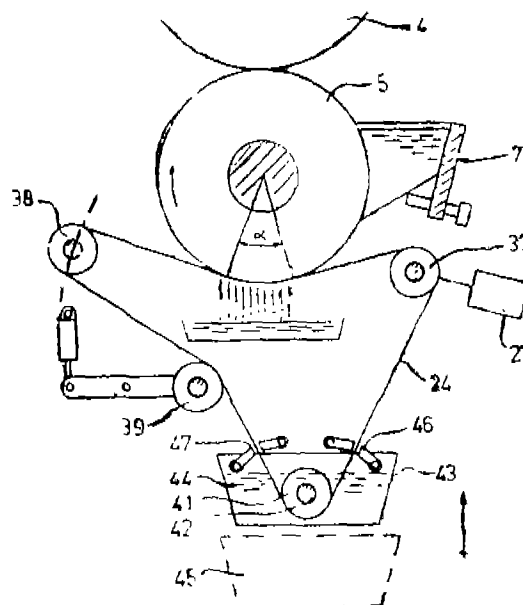
a liquid permeable, accurately dispensing wiper belt (14, 24) frictionally engaging of wrapping an arc of said rotating cylinder (5) and for wiping off excess liquid on said rotating cylinder (5) and returning said excess liquid to an excess liquid container (22, 43);

an applicator means (7) positioned adjacent said rotating cylinder (5) and upstream of the arc of rotating cylinder wrapped by said wiper belt in the rotational direction of said rotating cylinder (5);

said applicator means (7) completely renewing the liquid film at each revolution of said rotating cylinder (5);

said rotating cylinder being in contact with an axially parallel form or plate cylinder, to transfer thereto a uniform film of liquid with a required degree of metering accuracy for further processing according to the printing format;

said rotating cylinder (5) having a circumferential speed that substantially matches that of the form or plate cylinder (4).



Compl. Specn. 13 pages.

Drg. 5 sheets

CLASS : 170 D.

166257

Int. Cl.⁴ : C 11 D 1/66.

"A LIQUID DETERGENT COMPOSITION".

Applicant : COLGATE-PALMOLIVE, OF 300 PARK AVENUE NEW YORK, NEW YORK 10022, U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventor(s) : RICHARD PETER ADAMS, MICHAEL CHRISTOPHER CROSSIN.

Application or Patent No. 589/Del/86 filed on 3rd July, 1986

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005

10 Claims

A liquid detergent composition which is flowable at ambient temperature and which does not gel in contact with cold water, said composition comprising :

- a liquid nonionic detergent compound of the kind such as herein described and a gel inhibiting compound in an amount of 2 to 5% by wt., based on the weight of said liquid nonionic detergent compound to lower the gelling temperature of the nonionic compound by at least about 2°C said gel inhibiting compound comprising an aliphatic linear dicarboxylic acid having at least 6 carbon atoms in the aliphatic portion of the molecule or an aliphatic monocyclic dicarboxylic acid wherein one of the carboxylic acid group is bonded directly to a ring-carbon atom and the other carboxylic acid group is bonded to the monocyclic ring through an alkyl or alkenyl chain having at least about 3 carbon atoms.

Compl. specn. 35 pages.

Drg. 1 sheet

CLASS : 170 D.

166258

Int. Cl.^A : C 11 D 1/66.

"A NONAQUEOUS LIQUID HEAVY DUTY LAUNDRY DETERGENT COMPOSITION".

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor(s) : GUY BROZE & DANIELLE BASTIN & LEO LAITEM & TRAZOLLAH OUHADI.

Application for Patent No. 670/Del/86 filed on 24th July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

4 Claims

A nonaqueous liquid heavy duty laundry detergent composition which comprises :

- (from 20 to 50%) by wt. of the total composition, at least one liquid nonionic surfactant detergent of the kind such as herein described;

from (5 to 50%) by wt. of an hydroxy acrylic acid or acrylic acid salt polymer builder or an organic polyacetal carboxylate builder salt of the kind such as herein described;

from 2 to 30%) by wt. at least one member selected from the group of an acid terminated nonionic surfactant anti-gel agent of the kind such as herein described and an alkylene glycol monoalkyl ether, and

from (0.1 to 2.0%) by wt. an anti-setting agent of the kind such as herein described.

Compl. specn. 39 pages.

Drg. 1 sheet

CLASS : 170 D.

166259

Int. Cl.^A : C 11 D 1/66.

"A NONAQUEOUS LIQUID HEAVY DUTY LAUNDRY DETERGENT COMPOSITION".

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF

THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor(s) : TRAZOLLAH OUHADI, LOUIS DEHAN.

Application for Patent No. 671/Del/86 filed on 24 July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

7 Claims

9 nonaqueous liquid heavy duty laundry composition which comprises :

from 20 to 60wt% of the total composition at least one liquid nonionic surfactant detergent of the kind such as herein described;

from 5 to 50 wt % an organic nitrilacetic acid detergent builder and of the kind such as herein described; and

from 10 to 45 wt. % of an inorganic zeolite detergent builder of the kind such as herein described.

Compl. specn. 31 pages.

CLASS : 32 F₂ (a).

166260

Int. Cl.^B : C 07 C 103/00.

"AN IMPROVED PROCESS FOR THE PREPARATION OF DIALKYL ARYL ACTSTAMIDES".

Applicant : ADDITIONAL SECRETARY, DEFENCE RESEARCH, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI., AN INDIAN NATIONAL.

Inventor : KARUMURU MALLIKARAJUNA ROA.

Application for Patent No. 782/Del/86 filed on 2nd September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

4 Claims

An improved process for the preparation of dialkyl aryl acetamides which comprises in reacting aryl acetic acid, a dialkyl amine, an inorganic acid catalyst with an organic acid anhydride by heating in a condenser equipped reaction vessel, under atmospheric or in an autoclave under high of 100—800°C removing the unreacted amine by distillation, washing the residue with base to remove excess acid and finally purified by distillation to obtain a distillate comprising dialkyl acetamides.

Compl. specn. 8 pages

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161322. Indian Institute of Science, of Bangalore-560012, Karnataka, India, an Indian Institution. "Development kit for computer programming" 18th August, 1989.

Class 1. No. 161327. Mrs. Vasanthi Ranganath, an Indian National sole Proprietrix of Essen Industries, of 5, Nehru Stadium, Coimbatore-641018, Tamil Nadu, India. "a Broom Aid". 21st August, 1989.

- Class 1.** No. 161831. Smart Hardware Industries, K-218, Karawal Nagar, Delhi-110094, India, an Indian Proprietorship firm. "Door Handle". 29th January, 1990.
- Class 1.** Nos. 161854 to 856. Dr. Beli Ram & Sons (Mfg), 3/17, Asaf Ali Road, New Delhi-110002, India, and Indian Proprietorship firm. "Weighing Scale". 30th January, 1990.
- Class 3.** No. 161285. Mohd. Rizwan sole Proprietor of Bombay Chewing Industries (India), also as B.C.I. (India), Chowki Hassan Khan, Moradabad, Uttar Pradesh, India. "Bottle". 11th August, 1989.
- Class 3.** No. 161328. Mrs. Vasanthi Ranganath, an Indian National, sole proprietrix of Essen Industries, of 5, Nehru Stadium, Coimbatore-641018, Tamil Nadu, India. "a Broom Aid". 21st August, 1989.
- Class 3.** Nos. 161411 & 161412, 161414 to 161420 Esbee Industrial Combines, (a registered Partnership firm) of Plot No. J-159, M.I.D.C., Bhosari, Pune-411 026, State of Maharashtra, India. "Switch". 13th September, 1989.
- Class 3.** No. 161421. Richie Rich Products, A-18, Ram House, Middle Circle Connaught Place, New Delhi-110001, India, an Indian sole Proprietorship Concern. "Toy (Bird)". 13th September, 1989.
- Class 3.** No. 161422. Richie Rich Products, A-18, Ram House, Middle Circle Connaught Place, New Delhi-110001, India, an Indian sole Proprietorship. "Toy (Mouse)". 13th September, 1989.
- Class 3.** No. 161470. Ellenberger & Poensgen GMBH., of Industries-trasse 2-8, D-8503 Altdorf, Germany, a German Company. "Electric Switch". 26th September, 1989.
- Class 3.** No. 161483. Panamchand H. Shah., of 76/78, Sheriff Devji Street, Patel Building, 1st Floor, Bombay-400 003, Maharashtra, India, Indian. "Strainer". 4th October, 1989.
- Class 3.** No. 161528. National Dairy Development Board, a body corporate constituted under the National Dairy Development Board Act, 1987 (37 of 1987), City of Anand 388 001, State of Gujarat, India. "Container". 13th October, 1989.
- Class 3.** No. 161580. Gold Coin Plastics, Podar Bhavan, Parekh Lane, Kandivali (West), Bombay-400067, State of Maharashtra, India, an Indian Partnership firm. "Casserole". 8th November, 1989.
- Class 3.** No. 161625. Sajavat, 210, Golf Links, New Delhi-110003 (India) an Indian Proprietorship firm. "Fountain-Shell". 27th November, 1989.
- Class 3.** No. 161685. Indian Cosmetics, 351 Raja Naba Kissen Street, Calcutta-700005, West Bengal, India, an Indian Proprietorship Concern. "Container". 11th August, 1989.
- Class 4.** No. 161282. Pritpal Singh Sawhney Resident of House No. 944 Sector 7-B, Chandigarh (160019) : India. An Indian National. "a Concrete Chair". 11th August, 1989.
- Class 4.** Nos. 161444 & 161445. MDT Corporation 1777 East Henrietta Road, Rochester, New York 14692 United States of America, a US Corporation. "Cover Lens for Light". 18th September, 1989.
- Class 5.** Nos. 161199 to 161202. Herbertsons Limited, of 22, Homi Modi Street, Bombay-400023, Maharashtra, India, an Indian Company. "Cardboard Box". 20th July, 1989.
- Class 10.** No. 161560. Imtiaz Ali, 4589, Gali Shahtara, Ajmeri Gate, Delhi-110006, Union Territory of Delhi, India, Indian National. "Foot Wear". 24th October, 1989.
- Class 11.** No. 161360. Lambda S.r.l., an Italian Limited Liability Company, of Via Strozzi No. 2, 50123 Firenze, Italy. a "Pantyhose without sewings". 5th September, 1989.
- Copyright Extended for the Second Period of five years
 No. 154371. Class-1.
 Nos. 155406, 161432, 161278. Class-3.
 Nos. 161256, 155372, 156092. Class-4.
- Copyright Extended for the Third Period of five years
 Nos. 149322, 149321, 161432, 161278. Class-3
 Nos. 161256, 155372, 156092. Class-4.

R. A. ACHARYA
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